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SITE SCREENING STUDY

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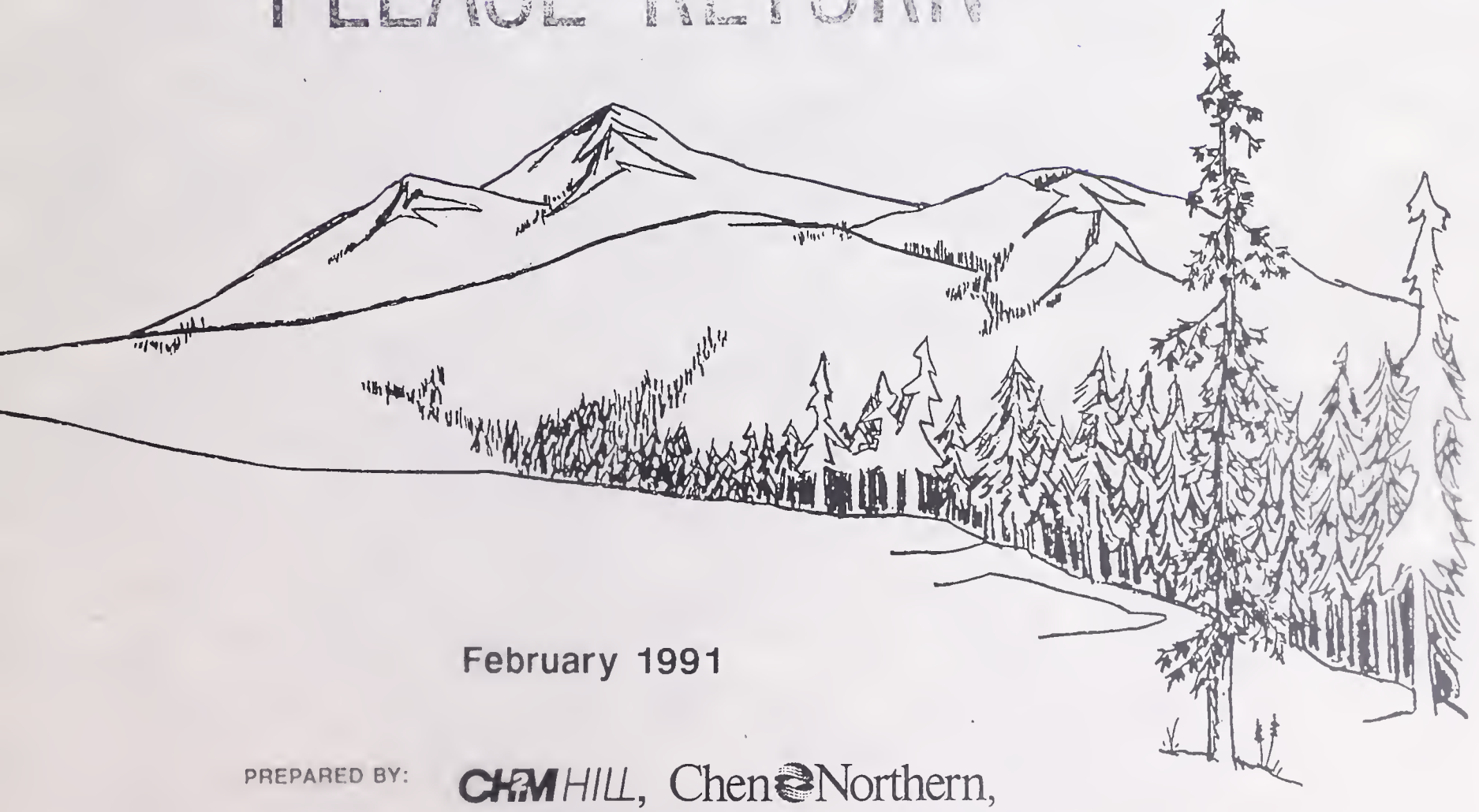

February 1991

PREPARED BY: CH2M HILL, Chen Northern, and Reclamation Research Unit

PREPARED FOR: MONTANA DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES
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DATA SUMMARY REPORT
UPPER CLARK FORK RIVER SCREENING STUDY

VOLUME II
APPENDICES

EPA REGION VIII

Prepared for:

Montana Department of Health and Environmental Sciences
Helena, Montana

Prepared by:

CH2M HILL, Inc.
Helena, Montana

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Helena, Montana

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Bozeman, Montana

February 28, 1991

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APPENDIX A

WELL INVENTORY

CLARK FORK RIVER SCREENING STUDY

GWSI CODE EXPLANATION

Primary Use of Water
- C = Commercial
- D = Dewater
- F = Fire
- H = Domestic
- I = Irrigation
- N = Industrial
- P = Public Supply
- R = Recreation
- S = Stock
- U = Unused

Water-Level Source
- A = Other Government
- D = Driller
- O = Owner
- R = Other Reported
- S = State Agency

Method Water-Level Measured
- R = Reported
- S = Steel Tape
- T = Electric Tape

Geologic Unit
- 100 CNZC - Cenozoic Erathem
- 110 ALVM - Quaternary Alluvium
- 120 SDMS - Tertiary Sediments
- 120 TRTR - Tertiary System
- 200 MSZC - Mesozoic Erathem
- 210 CRCS - Cretaceous System
- 211 ELKM - Elkhorn Mountains Volcanics
- 217 KOTN - Kootenai Formation

Source of Construction Data
- A = Other Government
- D = Driller
- L = Logs
- O = Owner
- R = Other Reported
- S = Reporting Agency
- Z = Other

Method Constructed
- A = Air Rotary
- B = Bored or Augered
- C = Cable Tool
- D = Dug
- H = Hydraulic Rotary
- V = Driven

Type of Lift
- A = Air
- C = Centrifugal
- J = Jet
- S = Submergible
- T = Turbine
- U = Unknown

Casing Material
- B = Brick
- C = Concrete
- G = Galvetize Iron
- P = PVC or Plastic
- R = Rock
- S = Steel
- T = Tile
- W = Wood

Type of Opening
- P = Perforated
- S = Screen
- W = Walled
- X = Open Hole

Source of Discharge Data
- D = Driller
- R = Reported

Type of Log Available
- D = Driller

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-503	05N09W05CDAD01	461238	1124520	S	105	83.40	1.5	S	T	120SDMS
CF-EPA-007	05N09W05CDBB01	461242	1124532	H	31	14.52	--	S	S	110ALVM
CF-EPA-006	05N09W05CDDD01	461235	1124519	H	115	73.58	--	S	S	110ALVM
CF-EPA-223	05N09W07CAAC01	461202	1124637	U	13	5.91	1.7	S	S	110ALVM
--							--			--
CF-EPA-003	05N09W07DABC01	461200	1124609	U	9.6	2.39	--	S	S	110ALVM
CF-EPA-005	05N09W07DCCC01	461141	1124627	U	14	5.52	--	S	S	110ALVM
--							--			--
CF-EPA-004	05N09W07DCDC01	461141	1124618	U	12	4.36	--	S	S	110ALVM
--							--			--
CF-EPA-502	05N09W08BCAB01	461215	1124539	H	--	--	--	-	-	--
CF-EPA-501	05N09W17BCCB01	461118	1124548	H	139	42.62	-.9	S	T	100CNZC
CF-EPA-624	05N09W17BCDB01	461118	1124540	H	--	--	--	-	-	--
CF-EPA-500	05N09W17BCDC01	461114	1124541	H	85	20	--	0	R	100CNZC
CF-EPA-001	05N09W17C8DA01	461107	1124535	S	115	93.91	--	S	S	120SDMS
CF-EPA-002	05N09W18ADCD01	461116	1124606	U	22	5.67	--	S	S	110ALVM
CF-EPA-063	05N09W18ADCD02	461116	1124606	U	59	5.52	.6	S	S	--
CF-EPA-635	06N09W03CCBC01	461752	1124321	H	85	--	--	-	-	100CNZC
CF-EPA-016	06N09W04BBCD01	461625	1124433	S	31	11.91	--	S	S	110ALVM
CF-EPA-015	06N09W04CDDD01	461747	1124406	H	22	6.72	--	S	S	110ALVM
CF-EPA-637	06N09W04DDAC01	461755	1124334	H	70	11.70	1.6	S	T	100CNZC
CF-EPA-636	06N09W04DDAD01	461752	1124326	I	--	--	--	-	-	--
CF-EPA-525	06N09W05ACAA01	461823	1124459	H	--	--	--	-	-	--
CF-EPA-520	06N09W05DADD01	461758	1124441	H	--	7.99	1.2	S	T	--
CF-EPA-518	06N09W05DDAA01	461756	1124440	H	80	14.39	1.5	S	T	100CNZC
CF-EPA-517	06N09W08DAAD01	461712	1124442	H	--	--	--	-	-	--
CF-EPA-516	06N09W08DADD01	461717	1124441	H	--	3	-3.5	0	R	--
CF-EPA-519	06N09W09BAAC01	461739	1124408	H	--	--	--	-	-	--
CF-EPA-014	06N09W09BABC01	461738	1124417	H	31	5.16	--	S	S	110ALVM
CF-EPA-515	06N09W09CADA01	461710	1124402	H	--	6.81	1.1	S	T	--
CF-EPA-617	06N09W09CCDB01	461658	1124427	H	--	--	--	-	-	--
CF-EPA-528	06N09W09DADD01	461705	1124328	H	197	40.51	.10	S	T	120SDMS
--							--			--
CF-EPA-527	06N09W09DDCA01	461658	1124336	H	--	27.73	1.4	S	T	--
CF-EPA-013	06N09W10BBDA01	451737	1124307	H	135	80.91	--	S	S	120SDMS
--							--			--
CF-EPA-616	06N09W10BCDB01	461722	1124310	H	--	77.57	1.0	S	T	--
CF-EPA-529	06N09W10CBBD01	461712	1124318	H	--	54.91	1.9	S	T	--
CF-EPA-622	06N09W17AABD01	461646	1124452	H	65	--	--	-	-	100CNZC
CF-EPA-623	06N09W17AABD02	461646	1124452	I	14	3.30	4.0	S	T	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-503	OKEEFE	12-27-83	O	C	6	6	S	93	103	P
CF-EPA-007	O'KEEFE	12-01-78	O	C	6	6	S	24	29	P
CF-EPA-006	--	- -84	O	-	--	6	S	--	--	-
CF-EPA-223	--	--	S	-	--	2	P	--	--	-
--	--	--	-	-	--	3	S	--	--	-
CF-EPA-003	--	--	S	-	--	3	S	--	--	-
CF-EPA-005	--	--	S	-	--	2	P	--	--	-
--	--	--	-	-	--	3	S	--	--	-
CF-EPA-004	--	--	S	-	--	2	P	--	--	-
--	--	--	-	-	--	3	S	--	--	-
CF-EPA-502	--	--	-	-	--	--	-	--	--	-
CF-EPA-501	--	--	S	-	--	6	S	--	--	-
CF-EPA-624	--	--	-	-	--	--	-	--	--	-
CF-EPA-500	--	--	-	-	--	--	-	--	--	-
CF-EPA-001	O'KEEFE	07-06-76	O	C	6	6	S	109	114	P
CF-EPA-002	USGS	--	S	B	--	2	P	12	22	S
CF-EPA-063	USGS	06- -87	S	B	--	2	P	--	--	-
CF-EPA-635	CAMPBELL	--	S	-	--	--	-	--	--	-
CF-EPA-016	O'KEEFE	02-13-81	D	C	6	6	S	--	--	-
CF-EPA-015	WROBLE	04-07-60	O	C	--	6	S	--	--	-
CF-EPA-637	--	- -84	S	-	--	--	-	--	--	-
CF-EPA-636	--	--	-	-	--	--	-	--	--	-
CF-EPA-525	--	--	-	-	--	--	-	--	--	-
CF-EPA-520	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-518	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-517	--	--	-	-	--	--	-	--	--	-
CF-EPA-516	--	--	S	-	--	--	-	--	--	-
CF-EPA-519	--	--	-	-	--	--	-	--	--	-
CF-EPA-014	O'KEEFE	08-03-81	O	C	6	6	S	24	29	P
CF-EPA-515	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-617	--	--	-	-	--	--	-	--	--	-
CF-EPA-528	OKEEFE	04-19-76	O	C	6	6.63	S	186	193	P
--	--	--	-	-	--	--	-	193	197	X
CF-EPA-527	--	--	S	-	--	--	-	--	--	-
CF-EPA-013	O'KEEFE	04-17-79	D	C	6	6	S	113	135	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-616	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-529	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-622	--	--	-	-	--	--	-	--	--	-
CF-EPA-623	--	--	S	D	--	48	S	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-503	S	--	--	--	--	--	-	D
CF-EPA-007	S	10.0	418	7.3	--	--	-	D
CF-EPA-006	S	10.5	327	7.2	--	--	-	-
CF-EPA-223	-	--	--	--	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-003	-	--	--	--	--	--	-	-
CF-EPA-005	-	--	--	--	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-004	-	--	--	--	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-502	-	11.5	465	7.2	--	--	-	-
CF-EPA-501	J	11.5	308	7.2	--	--	-	-
CF-EPA-624	-	--	--	--	--	--	-	-
CF-EPA-500	-	--	--	--	--	--	-	-
CF-EPA-001	S	10.0	395	7.1	--	--	-	D
CF-EPA-002	-	--	--	--	--	--	-	D
CF-EPA-063	-	13.0	695	7.5	--	--	-	-
CF-EPA-635	S	10	302	7.3	--	--	-	-
CF-EPA-016	S	--	--	--	--	--	-	D
CF-EPA-015	S	8.0	309	7.2	50	1	D	D
CF-EPA-637	-	12.5	282	7.3	--	--	-	-
CF-EPA-636	-	--	--	--	--	--	-	-
CF-EPA-525	-	12.5	338	6.8	--	--	-	-
CF-EPA-520	S	11.0	316	6.5	--	--	-	-
CF-EPA-518	S	12.0	261	7.2	--	--	-	-
CF-EPA-517	-	--	--	--	--	--	-	-
CF-EPA-516	C	10.5	371	7.1	--	--	-	-
CF-EPA-519	-	--	--	--	--	--	-	-
CF-EPA-014	S	7.0	302	7.1	--	--	-	D
CF-EPA-515	S	11.5	473	7.6	--	--	-	-
CF-EPA-617	C	8.0	403	6.5	--	--	-	-
CF-EPA-528	S	15.0	277	7.0	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-527	S	13.0	252	6.8	--	--	-	-
CF-EPA-013	S	9.5	383	7.2	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-616	S	12.0	268	6.9	--	--	-	-
CF-EPA-529	S	13.5	282	7.1	--	--	-	-
CF-EPA-622	-	9.0	232	7.4	--	--	-	-
CF-EPA-623	-	8.0	281	6.3	--	--	-	-

OTHER IDENTIFIER	OWNER
CF-EPA-503	
CF-EPA-007	
CF-EPA-006	
CF-EPA-223	--
--	--
CF-EPA-003	--
CF-EPA-005	--
--	--
CF-EPA-004	--
--	--
CF-EPA-502	--
CF-EPA-501	
CF-EPA-624	--
CF-EPA-500	--
CF-EPA-001	
CF-EPA-002	
CF-EPA-063	
CF-EPA-635	--
CF-EPA-016	
CF-EPA-015	
CF-EPA-637	
CF-EPA-636	--
CF-EPA-525	--
CF-EPA-520	--
CF-EPA-518	--
CF-EPA-517	--
CF-EPA-516	--
CF-EPA-519	--
CF-EPA-014	
CF-EPA-515	
CF-EPA-617	--
CF-EPA-528	
--	--
CF-EPA-527	--
CF-EPA-013	--
--	--
CF-EPA-616	--
CF-EPA-529	--
CF-EPA-622	--
CF-EPA-623	--

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-621	06N09W17AACC01	461640	1124453	H	58	12.93	1.6	S	T	100CNZC
CF-EPA-620	06N09W17ADBC01	461637	1124453	H	58	--	--	-	-	100CNZC
CF-EPA-009	06N09W17BCDD01	461626	1124535	H	48	9.42	--	S	S	110ALVM
CF-EPA-010	06N09W17BDCC01	461626	1124533	I	190	37.72	--	S	S	120SDMS
CF-EPA-619	06N09W17CDAA01	461712	1121519	H	--	3.63	1.3	S	T	--
CF-EPA-012	06N09W17DADA01	461618	1124441	I	172	9.5	--	D	R	120SDMS
--							--			--
CF-EPA-510	06N09W21BAAA01	461558	1124402	H	--	80	--	D	R	--
CF-EPA-511	06N09W21BABA01	461558	1124410	H	--	50.13	1.3	S	T	--
CF-EPA-618	06N09W21BABA02	461559	1124413	H	--	45.65	1.4	S	T	--
CF-EPA-512	06N09W21BABB01	461558	1124417	H	--	29.75	.5	S	T	--
CF-EPA-011	06N09W21BBBB01	461558	1124437	U	24	2.39	--	S	S	110ALVM
CF-EPA-509	06N09W21CCBA01	461517	1124430	I	--	10.33	.8	S	T	--
CF-EPA-513	06N09W21CCBC01	461605	1124427	H	--	7	--	D	R	--
CF-EPA-505	06N09W21CCDC01	461508	1124428	H	65	51.16	1.0	S	T	110ALVM
CF-EPA-506	06N09W21CDAB01	461517	1124407	H	245	170	--	D	R	120SDMS
CF-EPA-507	06N09W21CDBA01	461517	1124410	H	170	--	--	-	-	120SDMS
CF-EPA-508	06N09W21CDCB01	461512	1124418	H	--	--	--	-	-	--
CF-EPA-504	06N09W29DAAD01	461435	1124439	S	60	25	--	D	R	110ALVM
CF-EPA-526	06N09W31CDAB01	461337	1124640	H	--	20.87	1.2	S	T	--
CF-EPA-008	06N09W32DDAB01	461335	1124446	S	97	77	--	D	R	120SDMS
--							--			--
CF-EPA-020	07N09W04BABD01	462346	1124412	P	150	10	--	D	R	120SDMS
CF-EPA-613	07N09W04DBAB01	462322	1124349	H	85	9.30	.4	S	T	100CNZC
CF-EPA-565	07N09W04DBAC01	462315	1124349	H	39	15.99	1.6	S	T	110ALVM
CF-EPA-567	07N09W04DBAD01	462318	1124350	H	40	23	--	D	R	110ALVM
CF-EPA-566	07N09W04DBCA01	462314	1124352	H	32	12.42	1.5	S	T	110ALVM
CF-EPA-632	07N09W04DBCA02	462313	1124352	H	35	11.60	1.8	S	T	110ALVM
--							--			--
CF-EPA-568	07N09W04DBCC01	462311	1124359	H	50	6.55	1.6	S	T	110ALVM
CF-EPA-633	07N09W04DBDA01	462316	1124342	H	--	--	--	-	-	110ALVM
CF-EPA-564	07N09W04DBDB01	462312	1124350	H	--	--	--	-	-	--
CF-EPA-614	07N09W04DBDD01	462312	1124346	H	--	8.36	1.7	S	T	--
CF-EPA-563	07N09W04DCAA01	462308	1124347	H	67	5.78	.9	S	T	100CNZC
CF-EPA-562	07N09W04DCAD01	462305	1124346	H	40	--	--	-	-	110ALVM
CF-EPA-560	07N09W04DDCA01	462301	1124333	H	115	22.83	1.5	S	T	100CNZC
CF-EPA-559	07N09W04DDCD01	462256	1124332	H	--	11.26	1.2	S	T	--
CF-EPA-561	07N09W04DDCD02	462258	1124332	H	--	19.87	1.5	S	T	--
CF-EPA-569	07N09W05DDDA01	462300	1124441	H	--	--	--	-	-	--
CF-EPA-639	07N09W08ADDD01	462235	1124440	H	--	--	--	-	-	--

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-621	OKEEFE	- -77	L	-	--	6	S	--	--	-
CF-EPA-620	--	- -40	O	-	--	--	-	--	--	-
CF-EPA-009	O'KEEFE	12-03-81	D	C	6	6	S	31	46	P
CF-EPA-010	AQUQ DRLNG	02-28-83	D	C	16	0	S	140	180	P
CF-EPA-619	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-012	BRAZILLS	03-02-81	D	C	10	10	S	22	23	P
--	--	--	-	-	--	8	S	152	170	P
CF-EPA-510	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-511	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-618	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-512	--	--	S	-	--	6	S	--	--	-
CF-EPA-011	USGS	--	S	B	4	2	P	15	25	S
CF-EPA-509	--	--	S	-	--	--	-	--	--	-
CF-EPA-513	--	--	-	-	--	--	-	--	--	-
CF-EPA-505	OKEEFE	04-24-85	D	C	6	6.63	S	58	63	P
CF-EPA-506	OKEEFE	04-29-72	D	C	6	6.63	S	215	220	P
CF-EPA-507	--	--	S	-	--	6	S	--	--	-
CF-EPA-508	--	--	S	-	--	6	S	--	--	-
CF-EPA-504	OKEEFE	02-13-87	D	C	6	6.63	S	52	60	P
CF-EPA-526	--	--	S	-	--	--	-	--	--	-
CF-EPA-008	O'KEEFE	03-11-77	D	C	6	6	S	88	97	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-020	--	10-24-46	D	-	10	10	-	--	--	-
CF-EPA-613	OKEEFE	- -77	S	-	--	--	-	--	--	-
CF-EPA-565	OKEEFE	07-27-75	D	C	6	6.63	S	34	39	P
CF-EPA-567	OKEEFE	04-03-75	S	C	6	6.63	S	34	39	P
CF-EPA-566	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-632	OKEEFE	- -84	O	-	--	--	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-568	OKEEFE	08-31-73	D	C	6	6.63	S	50	55	P
CF-EPA-633	OKEEFE	- -77	O	-	--	--	-	--	--	-
CF-EPA-564	--	--	-	-	--	--	-	--	--	-
CF-EPA-614	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-563	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-562	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-560	OKEEFE	- -79	O	-	--	6	S	--	--	-
CF-EPA-559	--	--	S	-	--	6	S	--	--	-
CF-EPA-561	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-569	--	--	-	-	--	--	-	--	--	-
CF-EPA-639	--	--	-	-	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-621	S	--	--	--	--	--	-	-
CF-EPA-620	-	9.5	298	6.6	--	--	-	-
CF-EPA-009	S	7.0	295	7.2	--	--	-	D
CF-EPA-010	T	9.0	510	7.4	600	20	D	D
CF-EPA-619	S	10.0	307	6.5	--	--	-	-
CF-EPA-012	T	--	--	--	100	2	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-510	S	13.0	500	6.8	--	--	-	-
CF-EPA-511	S	15.0	463	6.8	--	--	-	-
CF-EPA-618	-	11.0	488	6.9	--	--	-	-
CF-EPA-512	S	11.0	1070	6.7	--	--	-	-
CF-EPA-011	-	--	--	--	--	--	-	D
CF-EPA-509	S	--	--	--	--	--	-	-
CF-EPA-513	C	7.0	401	7.0	--	--	-	-
CF-EPA-505	S	11.0	322	7.1	--	--	-	D
CF-EPA-506	S	10.0	266	6.7	15	1	D	D
CF-EPA-507	S	11.0	261	6.8	--	--	-	-
CF-EPA-508	S	13.5	276	6.5	--	--	-	-
CF-EPA-504	S	10.0	406	6.3	15	2	D	D
CF-EPA-526	J	12.0	762	6.8	--	--	-	-
CF-EPA-008	S	--	--	--	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-020	T	--	--	--	--	--	-	-
CF-EPA-613	S	10.0	472	6.7	--	--	-	-
CF-EPA-565	S	12.0	572	6.7	--	--	-	D
CF-EPA-567	S	13.0	566	6.4	--	--	-	D
CF-EPA-566	S	13.0	559	6.6	--	--	-	-
CF-EPA-632	S	--	650	--	--	--	-	-
--	-	9.0	--	7.0	--	--	-	-
CF-EPA-568	S	11.5	586	6.5	45	--	D	D
CF-EPA-633	-	11	507	6.8	--	--	-	-
CF-EPA-564	S	12.0	602	6.7	--	--	-	-
CF-EPA-614	C	--	--	--	--	--	-	-
CF-EPA-563	S	12.0	398	6.2	--	--	-	-
CF-EPA-562	S	11.0	303	6.5	--	--	-	-
CF-EPA-560	S	12.0	438	6.3	--	--	-	-
CF-EPA-559	S	13.0	282	6.4	--	--	-	-
CF-EPA-561	S	12.5	410	6.2	--	--	-	-
CF-EPA-569	-	16.0	526	6.9	--	--	-	-
CF-EPA-639	-	12.5	575	7.2	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-572	07N09W08DAA901	462223	1124444	S	--	5.63	0	S	T	110ALVM
CF-EPA-570	07N09W08DAAC01	462224	1124447	H	51	6.58	1.1	S	T	110ALVM
CF-EPA-571	07N09W08DAAC02	462227	1124442	D	--	7.20	1.5	S	T	110ALVM
CF-EPA-640	07N09W08DDAD01	462215	1124438	I	--	--	--	-	-	110ALVM
CF-EPA-641	07N09W08DDAD02	462215	1124438	H	--	--	--	-	-	--
CF-EPA-558	07N09W09AAAB01	462250	1124328	H	75	31.09	1.6	S	T	120SDMS
CF-EPA-556	07N09W09AADA01	462247	1124327	H	93	45.19	2.4	S	T	120SDMS
CF-EPA-553	07N09W09AADB01	462247	1124330	H	107	27.43	1.2	S	T	100CNZC
CF-EPA-615	07N09W09AADD01	462248	1124327	H	--	--	--	-	-	--
CF-EPA-555	07N09W09ABDD01	462242	1124344	H	--	--	--	-	-	--
CF-EPA-554	07N09W09ACAB01	462240	1124347	I	--	--	--	-	-	--
CF-EPA-548	07N09W09ADAD01	462238	1124325	H	122	53.92	2.0	S	T	120SDMS
CF-EPA-551	07N09W09ADAD02	462238	1124325	H	--	--	--	-	-	--
CF-EPA-547	07N09W09ADDD01	462230	1124327	H	137	--	--	-	-	100CNZC
CF-EPA-543	07N09W09DADA01	462222	1124325	H	137	39.21	2.5	S	T	100CNZC
CF-EPA-544	07N09W09DADA02	462223	1124325	H	118	49.72	1.6	S	T	100CNZC
CF-EPA-542	07N09W09DADD01	462220	1124326	H	100	--	--	-	-	100CNZC
CF-EPA-573	07N09W09DDDA01	462248	1124418	H	37	6.26	1.0	S	T	110ALVM
CF-EPA-574	07N09W09DDDA02	462248	1124418	U	40	-.60	2.7	S	T	100CNZC
CF-EPA-541	07N09W09DDDD01	462217	1124327	H	--	25.45	-5.4	S	T	--
CF-EPA-557	07N09W10BBCD01	462247	1124317	H	--	95.45	1.6	S	T	--
CF-EPA-550	07N09W10BBCD01	462245	1124316	H	93	63.90	1.7	S	T	120SDMS
--							--			--
CF-EPA-552	07N09W10BBCD02	462243	1124321	U	--	64.12	1.6	S	T	--
CF-EPA-549	07N09W10BCBC01	462237	1124318	H	130	60	--	D	R	120SDMS
CF-EPA-019	07N09W10BCCB01	462238	1124320	H	114	66.50	--	S	S	120SDMS
CF-EPA-546	07N09W10BCCD01	462231	1124317	H	175	94.04	1.8	S	T	120SDMS
CF-EPA-545	07N09W10BCDC01	462230	1124309	H	--	105.00	-5.8	S	T	--
CF-EPA-540	07N09W10CCCD01	462212	1124317	H	117	50	--	D	R	120SDMS
CF-EPA-538	07N09W16AADA01	462158	1124324	H	89	20.27	1.1	S	T	120SDMS
CF-EPA-537	07N09W16AADB01	462158	1124327	H	105	14.32	2.2	S	T	100CNZC
CF-EPA-034	07N09W16ADAA01	462153	1124322	H	40	26	--	-	R	110ALVM
--							--			--
CF-EPA-575	07N09W16BBCB01	462158	1124434	H	32	12.32	1.3	S	T	110ALVM
CF-EPA-018	07N09W16CBCC01	462128	1124435	H	46	15.13	--	S	S	100CNZC
CF-EPA-536	07N09W16DADD01	462131	1124224	H	108	--	--	-	-	100CNZC
CF-EPA-576	07N09W20ABDB01	462104	1124504	H	110	20.92	0	S	T	100CNZC
--							--			--
CF-EPA-022	07N09W20CADD01	462037	1124518	N	130	36.55	--	S	S	120SDMS
CF-EPA-017	07N09W27CCDD01	461931	1124305	S	246	156.93	--	S	S	120SDMS

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-572	--	--	S	D	--	--	W	--	--	-
CF-EPA-570	OKEEFE	- -84	S	-	--	6	S	--	--	-
CF-EPA-571	--	--	S	D	--	--	C	--	--	-
CF-EPA-640	--	--	-	-	--	--	-	--	--	-
CF-EPA-641	--	--	-	-	--	--	-	--	--	-
CF-EPA-558	OKEEFE	06-19-81	D	C	6	6.63	S	69	73	P
CF-EPA-556	OKEEFE	05-24-72	D	C	6	6.63	S	88	93	P
CF-EPA-553	OKEEFE	- -86	-	-	--	6	S	--	--	-
CF-EPA-615	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-555	--	--	S	-	--	--	-	--	--	-
CF-EPA-554	--	--	-	-	--	--	-	--	--	-
CF-EPA-548	OKEEFE	05-04-76	D	C	6	6.63	S	115	120	P
CF-EPA-551	OKEEFE	--	-	-	--	--	-	--	--	-
CF-EPA-547	OKEEFE	- -80	S	-	--	6	S	--	--	-
CF-EPA-543	OKEEFE	--	-	-	--	6	S	--	--	-
CF-EPA-544	OKEEFE	- -74	S	-	--	6	S	--	--	-
CF-EPA-542	OKEEFE	--	D	-	--	--	-	--	--	-
CF-EPA-573	OKEEFE	08-18-63	D	C	6	6	S	31	36	P
CF-EPA-574	--	--	S	-	6	6	S	--	--	-
CF-EPA-541	--	--	S	-	--	--	-	--	--	-
CF-EPA-557	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-550	OKEEFE	05-07-76	D	C	6	6.63	S	75	93	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-552	--	--	S	-	--	--	-	--	--	-
CF-EPA-549	OKEEFE	02-08-80	D	C	6	6.63	S	103	128	P
CF-EPA-019	--	12-01-55	A	-	6	6	S	--	--	-
CF-EPA-546	OKEEFE	08-11-77	D	C	6	6.63	S	170	175	P
CF-EPA-545	--	--	S	-	--	--	-	--	--	-
CF-EPA-540	HILLMAN	--	D	C	6	6	S	115	117	X
CF-EPA-538	OKEEFE	05-30-75	D	C	6	6.63	S	32	37	P
CF-EPA-537	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-634	OKEEFE	09-24-61	D	-	--	6	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-575	OKEEFE	07-24-80	D	C	6	6.63	S	25	30	P
CF-EPA-018	O'KEEFE	11-23-81	D	C	6	6	S	39	44	P
CF-EPA-536	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-576	--	--	S	-	--	48	C	--	--	-
--	--	--	-	-	--	6	S	--	--	-
CF-EPA-022	LINDSAY	02- -52	D	-	8	8	S	83	85	P
CF-EPA-017	O'KEEFE	02-05-80	D	-	6	6	S	220	246	P

OTHER IDENTIFIER	TYPE OF LIFT	TEMPER-ATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-572	J	--	--	--	--	--	-	-
CF-EPA-570	S	12.0	473	7.1	--	--	-	-
CF-EPA-571	J	9.0	919	6.8	--	--	-	-
CF-EPA-640	-	10	890	7.5	--	--	-	-
CF-EPA-641	S	11	690	7.8	--	--	-	-
CF-EPA-558	S	13.0	241	6.7	--	--	-	D
CF-EPA-556	S	14.0	232	6.5	15	4	D	D
CF-EPA-553	S	12.0	257	6.5	--	--	-	-
CF-EPA-615	S	--	--	--	--	--	-	-
CF-EPA-555	-	12.0	304	6.6	--	--	-	-
CF-EPA-554	-	--	--	--	--	--	-	-
CF-EPA-548	S	11.0	241	6.6	--	--	-	D
CF-EPA-551	S	--	--	--	--	--	-	-
CF-EPA-547	S	11.5	220	6.2	--	--	-	-
CF-EPA-543	S	11.0	240	6.2	--	--	-	-
CF-EPA-544	S	11.0	239	6.0	--	--	-	-
CF-EPA-542	-	12.0	220	6.3	--	--	-	-
CF-EPA-573	J	11.0	441	7.7	--	--	-	D
CF-EPA-574	-	--	--	--	--	--	-	-
CF-EPA-541	-	--	--	--	--	--	-	-
CF-EPA-557	S	13.0	301	5.9	--	--	-	-
CF-EPA-550	S	11.0	300	7.1	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-552	-	--	--	--	--	--	-	-
CF-EPA-549	-	--	--	--	--	--	-	D
CF-EPA-019	J	11.5	230	7.0	--	--	-	-
CF-EPA-546	S	12.0	231	6.0	--	--	-	D
CF-EPA-545	S	12.0	250	5.8	--	--	-	-
CF-EPA-540	-	12.0	216	6.6	--	--	-	D
CF-EPA-538	S	12.0	247	6.8	--	--	-	D
CF-EPA-537	S	12.0	254	6.7	--	--	-	-
CF-EPA-634	-	--	188	--	--	--	-	D
--	-	12.5	--	7.2	--	--	-	-
CF-EPA-575	S	11.0	696	7.1	--	--	-	D
CF-EPA-018	S	10.0	821	7.2	--	--	-	D
CF-EPA-536	-	14.0	223	6.5	--	--	-	-
CF-EPA-576	J	12.0	371	7.5	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-022	T	10.5	555	7.4	--	--	-	D
CF-EPA-017	S	--	--	--	--	--	-	D

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
--	07N09W27CCDD01	461931	1124305	S	246	156.93	--	S	S	--
CF-EPA-533	07N09W23ABAC01	462015	1124350	S	--	--	--	-	-	--
CF-EPA-532	07N09W28ABCD01	462010	1124352	H	--	29.64	-5.7	S	T	--
CF-EPA-534	07N09W23ACAB01	462004	1124350	S	--	--	--	-	-	--
CF-EPA-577	07N09W29ABAA01	462021	1124502	H	70	14	--	D	R	120SDMS
CF-EPA-638	07N09W29ABCA01	462014	1124510	H	30	11	--	D	R	110ALVM
CF-EPA-578	07N09W32ADAB01	461914	1124504	H	--	40.53	1.1	S	T	--
CF-EPA-579	07N09W32ADA302	461914	1124504	I	--	39.05	.9	S	T	--
CF-EPA-523	07N09W32DACA01	461855	1124450	H	--	22.21	1.8	S	T	--
CF-EPA-524	07N09W32DDCA01	461841	1124450	H	65	20.23	1.0	S	T	100CNZC
CF-EPA-530	07N09W33ADDD01	461906	1124325	H	80	44.15	1.6	S	T	100CNZC
CF-EPA-522	07N09W33CBDD01	461850	1124424	H	--	--	--	-	-	--
CF-EPA-521	07N09W33CCB301	461848	1124439	H	--	--	--	-	-	--
CF-EPA-535	07N09W33DABB01	461852	1124330	S	--	--	--	-	-	--
CF-EPA-539	07N09W33DAD301	462203	1124326	H	110	35.59	1.4	S	T	100CNZC
CF-EPA-531	07N09W33DBAA01	461901	1124347	H	--	37.40	-4.4	S	T	--
CF-EPA-589	08N09W03BDAD01	462846	1124250	H	35	23.16	1.4	S	T	110ALVM
CF-EPA-028	08N09W04DDB 01	462820	1124338	U	20	1.32	1.4	S	S	110ALVM
CF-EPA-588	08N09W09ADDD01	462747	1124326	H	60	--	--	-	-	100CNZC
--							--			--
CF-EPA-029	08N09W09BAAA01	462809	1124405	S	--	12.87	--	S	S	100CNZC
CF-EPA-591	08N09W15ABDB01	462712	1124238	H	--	--	--	-	-	--
CF-EPA-590	08N09W15CDDA01	462632	1124248	H	82	27.88	.5	S	T	120SDMS
CF-EPA-630	08N09W16DADC01	462642	1124330	H	--	--	--	-	-	--
CF-EPA-023	08N09W20CAAB01	462559	1124521	S	117	45.00	--	S	S	120SDMS
--							--			--
CF-EPA-631	08N09W21DACC01	462551	1124338	H/*	38	13.3	.7	S	T	110ALVM
CF-EPA-587	08N09W21DACD01	462550	1124335	H	77	21.36	2.9	S	T	120SDMS
CF-EPA-586	08N09W28AAAB01	462532	1124329	H	--	37.60	1.3	S	T	--
CF-EPA-584	08N09W23AADB01	462526	1124329	H	--	41.14	2.2	S	S	--
--							--			--
CF-EPA-585	08N09W28ABAC01	462529	1124349	H	72	23.06	.4	S	T	120SDMS
CF-EPA-582	08N09W28ACDA01	462510	1124346	H	--	--	--	-	-	--
CF-EPA-027	08N09W28DBDC01	462457	1124349	H	58	24.13	--	S	S	120SDMS
--							--			--
CF-EPA-583	08N09W28DCAA01	462451	1124346	H	60	35	--	D	R	120SDMS
CF-EPA-610	08N09W28DCCC01	462442	1124357	H	--	25.16	2.9	S	T	--
CF-EPA-026	08N09W32AADD01	462429	1124443	U	9.4	3.02	--	S	S	110ALVM
CF-EPA-064	08N09W32AADD02	462429	1124443	U	59	3.93	.5	S	S	--
CF-EPA-612	08N09W32DCDA01	462352	1124459	H	50	31.15	.9	S	T	120SDMS

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONSTRUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-533	--	--	-	-	--	--	-	--	--	-
CF-EPA-532	--	--	S	-	--	--	-	--	--	-
CF-EPA-534	--	--	S	-	--	--	-	--	--	-
CF-EPA-577	OKEEFE	04-27-71	D	C	6	6.63	S	59	64	P
CF-EPA-638	OKEEFE	08-27-76	D	C	6	6	S	23	28	P
CF-EPA-578	OKEEFE	- -70	S	-	--	6	S	--	--	-
CF-EPA-579	OKEEFE	--	S	-	--	6	S	--	--	-
CF-EPA-523	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-524	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-530	--	- -74	O	-	--	--	-	--	--	-
CF-EPA-522	--	--	-	-	--	--	-	--	--	-
CF-EPA-521	--	--	-	-	--	--	-	--	--	-
CF-EPA-535	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-539	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-531	--	--	S	-	--	8	-	--	--	-
CF-EPA-589	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-028	HYWY DEPT	10-31-86	S	H	--	2	P	10	20	P
CF-EPA-588	--	--	-	-	--	--	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-029	--	--	-	-	--	--	-	--	--	-
CF-EPA-591	--	- -62	O	-	--	--	-	--	--	-
CF-EPA-590	OKEEFE	05-17-66	D	C	6	6	S	74	78	P
CF-EPA-630	--	--	-	-	--	--	-	--	--	-
CF-EPA-023	LINDSAY	02-20-79	O	A	6	6	S	60	117	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-631	OKEEFE	- -69	O	-	--	--	-	--	--	-
CF-EPA-587	OKEEFE	07-21-77	D	C	6	6	S	70	77	P
CF-EPA-586	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-584	OKEEFE	--	-	-	--	--	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-585	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-582	--	--	-	-	--	--	-	--	--	-
CF-EPA-027	O'KEEFE	08-29-72	D	C	5	6	S	53	58	P
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-583	OKEEFE	12-23-69	D	C	6	6	S	55	58	P
CF-EPA-610	--	--	S	-	--	--	-	--	--	-
CF-EPA-026	USGS	--	S	B	4	2	P	8	18	S
CF-EPA-064	USGS	06- -87	S	B	--	2	P	--	--	-
CF-EPA-612	OKEEFE	07-03-74	O	C	6	6	S	43	43	P

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
--	-	--	--	--	--	--	-	-
CF-EPA-533	S	14.0	581	6.9	--	--	-	-
CF-EPA-532	J	11.5	306	7.4	--	--	-	-
CF-EPA-534	S	15.5	653	6.9	--	--	-	-
CF-EPA-577	J	11.0	552	7.0	20	1	D	D
CF-EPA-638	-	--	--	--	--	--	-	D
CF-EPA-578	S	15.0	648	7.2	--	--	-	-
CF-EPA-579	S	14.0	671	6.9	--	--	-	-
CF-EPA-523	S	--	--	--	--	--	-	-
CF-EPA-524	S	10.0	298	7.0	--	--	-	-
CF-EPA-530	S	15.0	374	6.8	--	--	-	-
CF-EPA-522	-	12.0	437	7.0	--	--	-	-
CF-EPA-521	-	12.0	383	6.8	--	--	-	-
CF-EPA-535	S	11.0	494	6.6	--	--	-	-
CF-EPA-539	S	12.0	244	6.6	--	--	-	-
CF-EPA-531	J	11.5	492	7.0	--	--	-	-
CF-EPA-589	S	9.5	1830	6.6	--	--	-	-
CF-EPA-028	-	--	--	--	--	--	-	D
CF-EPA-588	-	11.0	430	--	--	--	-	-
--	-	--	--	6.8	--	--	-	-
CF-EPA-029	S	7.0	480	7.3	--	--	-	-
CF-EPA-591	S	8.0	699	7.0	--	--	-	-
CF-EPA-590	S	10.0	622	7.3	10	2	D	D
CF-EPA-630	-	10	509	7.6	--	--	-	-
CF-EPA-023	S	--	--	--	20	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-631	S	10.0	286	7.0	--	--	-	-
CF-EPA-587	S	10.0	330	6.7	--	--	-	D
CF-EPA-586	S	10.5	449	7.3	--	--	-	-
CF-EPA-584	S	10.0	--	7.1	--	--	-	-
--	-	--	423	--	--	--	-	-
CF-EPA-585	S	10.5	313	6.8	--	--	-	-
CF-EPA-582	-	9.0	473	7.5	--	--	-	-
CF-EPA-027	S	9.5	550	7.7	20	1.5	D	D
--	-	9.5	531	7.4	--	--	-	-
CF-EPA-583	S	9.0	539	7.4	20	4	D	D
CF-EPA-610	S	8.0	352	6.6	--	--	-	-
CF-EPA-026	-	--	--	--	--	--	-	D
CF-EPA-064	-	12.0	330	7.2	--	--	-	-
CF-EPA-612	S	10.0	669	7.2	--	--	-	D

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-581	08N09W32DDBD01	462357	1124450	I	97	37	--	S	R	120SDMS
CF-EPA-611	08N09W33AABA01	462439	1124333	H	56	34.28	.2	S	T	120SDMS
CF-EPA-025	08N09W33BAC 01	462430	1124416	U	5.8	2.95	0	S	S	110ALVM
CF-EPA-580	08N09W33CBCC01	462402	1124438	H	65	11	--	S	R	120SDMS
CF-EPA-021	08N09W33CCDD01	462352	1124422	P	163	6	--	A	R	112ALVM
CF-EPA-596	09N09W24ABCA01	463132	1124743	H	40	17.53	1.4	S	T	110ALVM
CF-EPA-597	09N09W24ABCD01	463128	1124741	H	--	--	--	-	-	110ALVM
CF-EPA-595	09N09W28CABD01	463015	1124415	H	220	55.90	.5	S	T	--
--							--			--
CF-EPA-594	09N09W28DC9B01	463004	1124402	H	80	10	--	D	R	--
CF-EPA-629	09N09W29AADD01	463036	1124444	H	145	--	--	-	-	120SDMS
--							--			--
CF-EPA-032	09N09W29DA0B01	463012	1124448	U	17	1.7	--	S	S	110ALVM
CF-EPA-024	09N09W32BACA01	462946	1124526	S	57	9.07	--	S	S	120SDMS
--							--			--
CF-EPA-593	09N09W33AABB01	462951	1124341	H	90	62.23	2.9	S	T	--
CF-EPA-031	09N09W33AABC01	462946	1124400	H	80	19.36	--	S	S	120SDMS
--							--			--
CF-EPA-592	09N09W33ABCB01	462944	1124400	H	64	--	--	-	-	120TRTR
--							--			--
CF-EPA-030	09N09W33CDBC01	462910	1124419	S	127	29.14	--	D	S	120SDMS
--							--			--
CF-EPA-206	09N10W04CACC01	463336	1125154	H	--	--	--	-	-	--
CF-EPA-204	09N10W04CDBB01	463334	1125154	H	88	8.29	1.1	S	S	100CNZC
CF-EPA-205	09N10W04CD9B02	463333	1125152	U	17	8.02	1.0	S	S	110ALVM
--							--			--
CF-EPA-055	09N10W05CBA 01	463321	1125305	PH	42	4.11	2.1	S	S	110ALVM
CF-EPA-211	09N10W05DDDA01	463326	1125215	NS	40	--	--	-	-	110ALVM
CF-EPA-212	09N10W05DDDA02	463327	1125214	NS	40	--	--	-	-	110ALVM
CF-EPA-207	09N10W08AADA01	463316	1125214	H	29	3	--	D	R	110ALVM
CF-EPA-208	09N10W08ABDB01	463315	1125236	U	21	--	--	-	-	110ALVM
CF-EPA-210	09N10W08ABDB02	463314	1125239	S	26	5.16	.0	S	S	110ALVM
CF-EPA-209	09N10W08ABDB03	463316	1125235	H	32	7.23	1.4	S	S	110ALVM
CF-EPA-044	09N10W10CCAD01	463238	1125039	H	40	10	--	D	R	210CRCS
CF-EPA-046	09N10W10CDBD01	463238	1125030	H125	118	21.75	--	S	S	210CRCS
--							--			--
CF-EPA-045	09N10W10CDCC01	463234	1125031	SM	50	5.81	--	S	S	210CRCS
--							--			--
CF-EPA-609	09N10W14CDCD01	463821	1124911	H	62	44.55	2.4	S	T	100CNZC
CF-EPA-627	09N10W14DDCC01	463141	1124846	H	280	217	--	D	R	200MSZC

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-581	DKEEFE	05-03-72	O	C	6	6	S	93	97	P
CF-EPA-611	DKEEFE	04-14-70	D	C	6	6	S	48	55	P
CF-EPA-025	--	00-00-19	A	D	--	2.7	R	0	6	W
CF-EPA-580	WROBEL	07-30-58	D	C	6	6	-	--	--	-
CF-EPA-021	--	08-14-31	A	-	--	12	S	--	--	-
CF-EPA-596	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-597	--	--	-	-	--	--	-	--	--	-
CF-EPA-595	OKEEFE	06-07-77	D	H	6	6	S	160	180	P
--	--	--	-	-	--	--	P	200	220	P
CF-EPA-594	BRAZIL	07-01-80	D	H	6	6	-	20	80	X
CF-EPA-629	OKEEFE	08-07-74	D	H	6	6	S	100	145	P
--	--	--	-	-	--	--	P	--	--	-
CF-EPA-032	USGS	--	S	B	4	2	P	7	17	S
CF-EPA-024	LINDSAY	11-30-78	D	A	6	6	S	30	57	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-593	OKEEFE	- -76	O	-	--	--	-	--	--	-
CF-EPA-031	O'KEEFE	11-10-72	D	H	6	6	S	60	80	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-592	OKEEFE	08-23-72	D	H	6	6	S	44	64	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-030	LINDSAY	12-11-78	O	A	6	6	S	80	127	P
--	--	--	-	-	--	4	S	--	--	-
CF-EPA-206	--	--	-	-	--	--	-	--	--	-
CF-EPA-204	--	--	S	-	--	6	S	--	--	-
CF-EPA-205	--	--	S	D	--	36	R	--	--	-
--	--	--	-	-	--	6	T	--	--	-
CF-EPA-055	BRIGGS	04-20-72	D	C	--	6.63	S	37	42	S
CF-EPA-211	DKEEFE	- -87	O	-	--	6	S	--	--	-
CF-EPA-212	OKEEFE	- -87	O	-	--	6	S	--	--	-
CF-EPA-207	MARTIN	06-14-73	D	C	6	6	S	--	--	-
CF-EPA-208	--	--	-	-	--	--	-	--	--	-
CF-EPA-210	--	--	-	-	--	6	S	--	--	-
CF-EPA-209	OKEEFE	- -86	O	-	--	6	S	--	--	-
CF-EPA-044	MARTIN	06-18-73	D	C	6	6	S	--	--	-
CF-EPA-046	LINDSAY	--	D	C	6	6	S	78	118	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-045	MARTIN	06-20-73	D	C	6	6	S	31	36	P
--	--	--	-	-	--	4	P	30	50	P
CF-EPA-609	--	--	S	-	--	--	-	--	--	-
CF-EPA-627	CAMP	01-28-77	D	H	6	6	S	240	280	P

OTHER IDENTIFIER	TYPE OF LIFT	TEMPER-ATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-581	-	--	--	--	20	2	D	D
CF-EPA-611	S	12.0	294	7.1	25	7	D	D
CF-EPA-025	-	--	--	--	--	--	-	-
CF-EPA-580	J	11.0	351	6.9	16	2	D	D
CF-EPA-021	T	13.0	380	7.2	--	--	-	D
CF-EPA-596	S	10.0	486	6.8	--	--	-	-
CF-EPA-597	-	9.0	501	6.9	--	--	-	-
CF-EPA-595	S	12.0	755	7.2	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-594	-	11.0	1340	6.8	20	.5	D	D
CF-EPA-629	-	12	836	7.5	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-032	-	--	--	--	--	--	-	D
CF-EPA-024	S	8.0	629	7.3	20	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-593	S	11.5	624	7.2	--	--	-	-
CF-EPA-031	S	8.0	730	7.3	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-592	S	8.0	658	7.2	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-030	S	7.0	629	7.4	20	--	D	D
--	-	7.0	621	7.4	--	--	-	-
CF-EPA-206	J	--	--	--	--	--	-	-
CF-EPA-204	C	7.0	576	8.7	--	--	-	-
CF-EPA-205	-	--	--	--	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-055	-	10.5	690	7.7	42	4	D	D
CF-EPA-211	S	8.0	1120	7.3	--	--	-	-
CF-EPA-212	S	--	--	--	--	--	-	-
CF-EPA-207	J	--	--	--	350	1	D	D
CF-EPA-208	-	--	--	--	--	--	-	-
CF-EPA-210	-	--	--	--	--	--	-	-
CF-EPA-209	J	6.5	685	7.4	--	--	-	-
CF-EPA-044	S	--	--	--	15	2	D	D
CF-EPA-046	S	--	1100	7.6	10	3	D	D
--	-	10	--	--	--	--	-	-
CF-EPA-045	S	--	--	--	10	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-609	S	8.0	1700	7.3	--	--	-	-
CF-EPA-627	S	12	1120	8.1	30	2	D	D

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
--	09N10W14DDCC01	463141	1124846	H	280	217	--	D	R	--
CF-EPA-628	09N10W14DDCD01	463140	1124839	H	--	48.5	3.3	S	T	--
CF-EPA-202	09N10W15BABC01	463226	1125035	H	--	--	--	-	-	--
CF-EPA-201	09N10W15BABD01	463225	1125033	H	25	4.14	--	S	S	110ALVM
CF-EPA-200	09N10W15BACA01	463224	1125030	H	27	--	--	-	-	110ALVM
CF-EPA-203	09N10W15BBAB01	463229	1125044	H	54	4.38	2.0	S	S	110ALVM
CF-EPA-608	09N10W16AADB01	463739	1124947	H	--	9.98	1.2	S	T	--
CF-EPA-037	09N10W22ABAB01	463135	1125010	H	120	--	--	-	-	210CRCS
--							--			--
CF-EPA-607	09N10W22DAAD01	463853	1124943	H	25	11.48	.8	S	T	110ALVM
CF-EPA-602	09N10W23AADD01	463831	1124828	H	52	--	--	-	-	100CNZC
CF-EPA-033	09N10W23ACCA01	463119	1124856	-	100	7.28	--	S	S	211ELKM
--							--			--
CF-EPA-604	09N10W23ACDD01	463847	1124844	H	--	--	--	-	-	--
CF-EPA-603	09N10W23ADCC01	463847	1124840	H	--	12	--	D	R	--
CF-EPA-D36	09N10W23BDAD01	463120	1124907	P?	47	4.53	--	S	S	211ELKM
CF-EPA-605	09N10W23CAAD01	463852	1124905	H	--	10.26	2.2	S	T	--
CF-EPA-606	09N10W23CCAA01	463900	1124926	H	140	44	--	D	R	200MSZC
--							--			--
CF-EPA-034	09N10W24BABC01	463132	1124808	H	250	34.85	--	S	S	211ELKM
--							--			--
CF-EPA-599	09N10W24BBBD01	463825	1124818	H	111	--	--	-	-	--
CF-EPA-035	09N10W24BBCA01	463131	1124820	P?	35	30.11	--	S	S	211ELKM
--							--			--
CF-EPA-600	09N10W24BBCA02	463828	1124818	H	90	33.94	1.4	S	T	100CNZC
CF-EPA-626	09N10W24BBCC01	463129	1124828	C?	--	--	--	-	-	--
CF-EPA-601	09N10W24BBDA01	463830	1124810	H	30	26.50	-3	S	T	110ALVM
--							--			--
CF-EPA-625	09N10W24BBDB01	463132	1124814	H	--	--	--	-	-	--
CF-EPA-598	09N10W24BBDC01	463830	1124814	F	--	--	--	-	-	--
CF-EPA-053	10N10W30CCD 01	463510	1125443	U	28	6.52	2.3	S	S	110ALVM
CF-EPA-054	10N10W30CCD 02	463510	1125443	P?	63	6.61	1.5	S	S	110ALVM
--							--			--
CF-EPA-217	10N10W31ADCA01	463445	1125336	H	--	--	--	-	-	--
CF-EPA-220	10N11W19ACAC01	463636	1130127	U	15	--	1.0	S	S	110ALVM
CF-EPA-221	10N11W19BBBA01	463652	1130207	H	--	--	--	-	-	--
CF-EPA-218	10N11W20CACA01	463620	1130032	H	70	11.27	1.3	S	S	100CNZC
CF-EPA-219	10N11W20CADA01	463618	1130025	H,D?	225	13.59	2.3	S	S	--
CF-EPA-214	10N11W20DAAD01	463623	1125946	H	23	16	--	D	R	110ALVM
CF-EPA-213	10N11W21CDBC01	463610	1125923	H	--	--	--	-	-	--

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-628	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-202	--	--	-	-	--	--	-	--	--	-
CF-EPA-201	--	--	-	-	--	--	-	--	--	-
CF-EPA-200	--	--	-	-	--	--	-	--	--	-
CF-EPA-203	JEROME DRLG	--	S	-	--	6	S	--	--	-
CF-EPA-608	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-037	O'KEEFE	11-27-73	D	C	6.62	6.62	S	68	120	P
--	--	--	-	-	--	0	P	--	--	-
CF-EPA-607	--	--	S	-	--	--	-	--	--	-
CF-EPA-602	--	- -46	0	-	--	6	S	--	--	-
CF-EPA-033	LINDSAY	08-11-75	D	C	6	6	S	80	100	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-604	--	--	-	-	--	--	-	--	--	-
CF-EPA-603	--	--	-	-	--	--	-	--	--	-
CF-EPA-036	--	00-00-76	R	-	--	6	S	--	--	-
CF-EPA-605	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-606	OKEEFE	09-30-74	D	-	6	6	S	60	120	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-034	JEROME&O'KEE	11-18-75	D	H	6	6	S	60	240	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-599	--	- -50	0	-	--	--	-	--	--	-
CF-EPA-035	MT DRILLING	04-09-74	D	C	6	6	S	47	85	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-600	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-626	OKEEFE	--	S	-	--	--	-	--	--	-
CF-EPA-601	--	- -20	D	D	--	--	B	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-625	--	--	-	-	--	--	-	--	--	-
CF-EPA-598	--	--	-	-	--	--	-	--	--	-
CF-EPA-053	BRIGGS	05-03-72	O	C	--	6.63	S	28	32	S
CF-EPA-054	HYWY DEPT	06-22-83	D	C	--	6.63	S	44	63	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-217	--	--	-	-	--	--	-	--	--	-
CF-EPA-220	--	--	S	D	--	18	T	--	--	-
CF-EPA-221	--	--	S	-	--	6	S	--	--	-
CF-EPA-218	--	--	S	-	--	6	S	--	--	-
CF-EPA-219	--	--	S	-	--	6	S	--	--	-
CF-EPA-214	OKEEFE	06-12-65	D	C	6	6	S	23	23	P
CF-EPA-213	--	--	-	-	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
--	-	--	--	--	--	--	-	-
CF-EPA-628	S	--	--	--	--	--	-	-
CF-EPA-202	J	--	--	--	--	--	-	-
CF-EPA-201	J	8	692	7.3	--	--	-	-
CF-EPA-200	J	8.0	752	7.4	--	--	-	-
CF-EPA-203	-	--	--	--	--	--	-	-
CF-EPA-608	S	10.0	649	7.2	--	--	-	-
CF-EPA-037	S	9.0	445	7.5	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-607	J	10.0	246	7.1	--	--	-	-
CF-EPA-602	-	10.5	645	6.9	--	--	-	-
CF-EPA-033	S	--	--	--	50	12	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-604	-	9.0	261	7.4	--	--	-	-
CF-EPA-603	-	10.0	282	7.2	--	--	-	-
CF-EPA-036	S	8.0	1460	7.0	--	--	-	-
CF-EPA-605	S	9.0	242	6.9	--	--	-	-
CF-EPA-606	-	10.0	319	8.4	3	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-034	S	11.0	1750	8.0	5	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-599	J	10.0	851	7.2	--	--	-	-
CF-EPA-035	S	9.0	665	7.3	20	3	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-600	S	10.0	856	7.2	--	--	-	-
CF-EPA-626	C	--	--	--	--	--	-	-
CF-EPA-601	T	10.0	562	6.7	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-625	-	--	--	--	--	--	-	-
CF-EPA-598	-	--	--	--	--	--	-	-
CF-EPA-053	-	--	--	--	42	4	D	D
CF-EPA-054	-	12	610	7.4	37	4	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-217	J	8.5	613	7.1	--	--	-	-
CF-EPA-220	-	--	--	--	--	--	-	-
CF-EPA-221	S	--	--	--	--	--	-	-
CF-EPA-218	S	7.0	359	8.0	--	--	-	-
CF-EPA-219	S	8.5	342	8.6	--	--	-	-
CF-EPA-214	-	10.5	604	7.4	20	2	D	-
CF-EPA-213	-	--	--	--	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-041	10N11W22BC0D01	463629	1125909	S	50	40.91	--	S	S	210CRCS
CF-EPA-040	10N11W22BDCD01	463630	1125803	H	--	--	--	-	-	--
CF-EPA-039	10N11W23CA0C01	463614	1125643	H	60	--	--	-	-	120SDMS
CF-EPA-042	10N11W25CBAC01	463527	1125544	U	6.9	2.4	.7	S	S	110ALVM
--							1.00			--
CF-EPA-043	10N11W25CCDD01	463511	1125541	H	--	13.25	--	S	S	100CNZC
--							--			--
CF-EPA-038	10N11W35B8BC01	463501	1125710	H	60	16.03	--	S	S	120SDMS
--							--			--
CF-EPA-215	10N11W36BAB301	463505	1125536	H	17	8.60	-3.9	S	S	110ALVM
CF-EPA-216	10N11W36BBAA01	463505	1125541	H	24	4.49	2.0	S	S	110ALVM
CF-EPA-048	10N12W04CACD01	463854	1130651	H	28	24.64	--	S	S	100CNZC
CF-EPA-818	10N12W06BAAA01	463929	1130912	H	400	--	--	-	-	100CNZC
CF-EPA-047	10N12W09CADA01	463803	1130641	H	80	7.12	--	S	S	120SDMS
--							--			--
CF-EPA-222	10N12W14BADC01	463737	1130419	H	62	25	--	S	R	110ALVM
CF-EPA-060	10W11W36ACDD01	463440	1125504	H	--	14.48	--	S	S	120SDMS
--							--			--
CF-EPA-850	11N12W30CD0D01	464003	1130912	H	--	--	--	-	-	--
CF-EPA-843	11N12W31AAAA01	464020	1130836	H	--	--	--	-	-	--
CF-EPA-842	11N12W31AAA001	464018	1130835	H	--	--	--	-	-	--
CF-EPA-062	11N12W31AACA01	464016	1130848	U	155	25	--	D	R	217KOTN
--							--			--
CF-EPA-061	11N12W31AAC301	464017	1130849	H	55	37.73	--	S	S	110ALVM
--							--			--
CF-EPA-811	11N12W31AAC802	464012	1130849	H	--	31.6	.0	S	S	110ALVM
CF-EPA-807	11N12W31AACC01	464012	1130853	H	--	--	--	-	-	--
CF-EPA-808	11N12W31AACC02	464012	1130852	H	--	--	2	S	T	--
CF-EPA-049	11N12W31AACD01	464010	1130848	H	80	28.71	--	S	S	100CNZC
CF-EPA-813	11N12W31AACD01	464011	1130846	H	39	35.4	-5.2	S	T	110ALVM
CF-EPA-812	11N12W31AAC002	464012	1130848	H	57	33.8	.0	S	-	--
CF-EPA-829	11N12W31AACD03	464010	1130847	H	--	30.0	-4.5	S	T	--
CF-EPA-830	11N12W31AACD04	464010	1130846	H	--	--	--	-	-	--
CF-EPA-839	11N12W31AAD001	464010	1130838	H	80	--	--	-	-	--
CF-EPA-810	11N12W31ABAC01	464016	1130858	H	--	7.9	.0	S	S	110ALVM
CF-EPA-809	11N12W31ABAD01	464017	1130857	H	50	17.3	2.3	S	T	--
--							--			--
CF-EPA-800	11N12W31ABCD01	464006	1130902	H	113	7.7	-1.6	S	T	--
CF-EPA-831	11N12W31A3DA01	463952	1130856	H	23	19.9	-6.1	S	S	110ALVM
CF-EPA-806	11N12W31A8DA03	464015	1130857	H	--	--	--	-	-	--

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-041	--	--	-	-	6	6	S	--	--	-
CF-EPA-040	--	--	-	-	--	--	-	--	--	-
CF-EPA-039	--	- -46	-	-	--	--	-	--	--	-
CF-EPA-042	USGS	--	S	B	4	2	P	0	7	S
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-043	--	--	-	-	6	o	S	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-038	BRAZILL	11-28-80	D	C	6	6	S	54	59	P
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-215	--	- -00	S	-	--	6	S	--	--	-
CF-EPA-216	--	07- -37	-	-	--	6	S	--	--	-
CF-EPA-048	--	- -00	0	D	48	43	R	--	--	-
CF-EPA-818	--	--	-	-	--	--	-	--	--	-
CF-EPA-047	--	- -44	0	-	6	6	S	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-222	LINDSAY	12-04-69	D	C	6	6	S	53	62	X
CF-EPA-060	--	--	-	-	6	6	S	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-350	O'KEEFE	04- -64	D	C	--	--	-	--	--	-
CF-EPA-843	--	--	-	-	--	--	-	--	--	-
CF-EPA-842	--	--	-	-	--	--	-	--	--	-
CF-EPA-062	O'KEEFE	10-23-69	0	C	6	6	S	135	155	P
--	--	--	-	-	--	5	S	--	--	-
CF-EPA-061	O'KEEFE	03-11-70	0	H	6	6	S	49	55	P
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-811	--	--	S	D	--	--	-	--	--	-
CF-EPA-807	--	--	-	-	--	--	-	--	--	-
CF-EPA-808	BRAZILL	--	0	-	--	--	S	--	--	-
CF-EPA-049	BRAZILL	09-11-78	D	C	6	6	S	--	--	-
CF-EPA-813	--	- -30	D	D	--	--	-	--	--	-
CF-EPA-812	--	- -55	D	-	6	6	S	--	--	-
CF-EPA-829	--	--	S	D	--	--	-	--	--	-
CF-EPA-830	--	--	-	-	--	--	-	--	--	-
CF-EPA-839	--	--	-	-	--	--	-	--	--	-
CF-EPA-810	--	--	S	D	--	--	-	--	--	-
CF-EPA-809	JEROME	04-23-75	D	H	6	6	S	20	50	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-800	--	09- -50	D	-	6	6	S	--	--	-
CF-EPA-831	--	--	S	D	--	--	-	--	--	-
CF-EPA-806	--	--	S	-	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPER-ATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-041	C	9.0	690	7.3	--	--	-	-
CF-EPA-040	-	13.5	488	7.6	--	--	-	-
CF-EPA-039	S	8.5	665	7.5	--	--	-	-
CF-EPA-042	-	--	--	--	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-043	-	8.5	620	8.9	--	--	-	-
--	-	8.0	615	8.7	--	--	-	-
CF-EPA-038	S	10	2020	7.6	25	2	D	D
--	-	8.5	2030	7.6	--	--	-	-
CF-EPA-215	J	6.0	791	7.2	--	--	-	-
CF-EPA-216	S	8.0	740	8.4	--	--	-	-
CF-EPA-048	C	11.5	540	7.2	15	--	R	-
CF-EPA-818	U	10.5	1030	7.5	--	--	-	-
CF-EPA-047	S	9.5	635	7.2	15	--	D	-
--	-	9.5	611	7.3	--	--	-	-
CF-EPA-222	C	--	--	--	20	2	D	D
CF-EPA-060	S	9.5	622	7.6	--	--	-	-
--	-	9.0	612	7.4	--	--	-	-
CF-EPA-850	-	10.0	805	7.4	--	--	-	-
CF-EPA-843	-	8.0	562	7.2	--	--	-	-
CF-EPA-842	-	9.0	591	7.1	--	--	-	-
CF-EPA-062	-	--	--	--	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-061	S	8.5	718	7.3	40	3	D	D
--	-	10.0	740	7.2	--	--	-	-
CF-EPA-811	S	10.0	617	7.2	--	--	-	-
CF-EPA-807	C	11	730	7.4	--	--	-	-
CF-EPA-808	S	12	616	7.2	--	--	-	-
CF-EPA-049	S	9.0	815	7.2	--	--	-	D
CF-EPA-813	S	9.0	605	7.2	--	--	-	-
CF-EPA-812	C	10.0	623	7.2	--	--	-	-
CF-EPA-829	C	10.0	714	7.2	--	--	-	-
CF-EPA-830	U	10.0	666	7.0	--	--	-	-
CF-EPA-839	U	10.0	702	7.2	--	--	-	-
CF-EPA-810	C	9.0	738	7.2	--	--	-	-
CF-EPA-809	S	10.0	1010	7.3	20	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-800	S	11.0	517	7.8	--	--	-	D
CF-EPA-831	C	9.0	738	7.0	--	--	-	-
CF-EPA-806	U	10	646	7.2	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-837	11N12W31ADAA01	464006	1130836	H	--	--	0	-	-	--
CF-EPA-838	11N12W31ADAA02	464008	1130838	H	50	30.9	1.3	S	T	110ALVM
CF-EPA-827	11N12W31ADAB01	464014	1130855	H	--	21.4	-5.6	S	T	--
CF-EPA-841	11N12W31ADAB02	464015	1130837	H	50	--	--	-	-	110ALVM
CF-EPA-835	11N12W31ADAD01	464003	1130937	H	40	17.4	1.8	S	-	110ALVM
CF-EPA-836	11N12W31ADAD02	464003	1130838	H	32	19.1	-6.5	S	T	110ALVM
CF-EPA-845	11N12W31ADAD03	464004	1130836	H	41	21.4	.5	-	T	110ALVM
CF-EPA-815	11N12W31ADBA01	464007	1130846	H	84	22.1	2.2	S	T	--
CF-EPA-814	11N12W31ADBB01	464006	1130848	H	20	17.3	.0	S	T	110ALVM
CF-EPA-849	11N12W31ADBD01	464004	1130846	H	--	11.0	.9	S	T	--
CF-EPA-805	11N12W31ADBD02	464016	1130859	H	--	6.4	0	S	S	110ALVM
CF-EPA-804	11N12W31ADDA01	464002	1130834	H	--	15.2	--	S	T	--
--							--			--
CF-EPA-846	11N12W31CCAC01	463959	1130828	H	--	--	--	-	-	--
CF-EPA-821	11N12W31CCAD01	463933	1130923	H	35	16.0	1.2	S	T	110ALVM
CF-EPA-820	11N12W31CCDA01	463936	1130918	H	40	--	--	-	-	110ALVM
CF-EPA-847	11N12W31CDAB01	463940	1131027	H	--	--	--	-	-	--
CF-EPA-819	11N12W31CDAD01	463936	1130914	H	--	22.6	1.4	S	T	--
CF-EPA-828	11N12W31CDBA01	463940	1130928	H	100	65.9	1.4	S	-	120SDMS
--							--			--
CF-EPA-823	11N12W31CDBC01	463937	1130927	H,P	170	52.6	1.0	S	T	120SDMS
CF-EPA-824	11N12W31CDBC02	463938	1130927	H	77	56.2	.5	S	T	100CNZC
CF-EPA-848	11N12W31CDBC03	463938	1130930	H	105	71.5	2.0	S	S	120SDMS
--							--			--
CF-EPA-822	11N12W31CDCB01	463924	1130927	H	63	35.6	.1	S	-	100CNZC
CF-EPA-816	11N12W31CDDA01	463932	1130916	H	37	10.8	.4	S	T	110ALVM
CF-EPA-825	11N12W31DABA01	463954	1130848	H	35	9.3	1.9	S	-	110ALVM
CF-EPA-826	11N12W31DABA02	463954	1130848	H	10	--	--	-	-	110ALVM
CF-EPA-802	11N12W31DABC01	463952	1130850	H	--	12.1	-.5	S	T	--
CF-EPA-803	11N12W31DABC02	463952	1130850	I,P	8	--	--	-	-	110ALVM
CF-EPA-801	11N12W31DBDA01	463947	1130853	H	12	--	--	-	-	110ALVM
CF-EPA-817	11N12W31DCAD01	463938	1130827	R,U	--	--	--	-	-	--
--							--			--
CF-EPA-833	11N12W32BCBC01	464003	1130831	H	--	14.0	-7.0	S	T	--
CF-EPA-834	11N12W32BCBC02	464004	1130833	H	32	16.9	-6.3	S	S	110ALVM
CF-EPA-832	11N12W32BCCD01	463958	1130827	H	--	14.0	-6.4	S	T	--
--							--			--
CF-EPA-840	11N12W32CBAA01	463953	1130817	H	--	--	--	-	-	--
CF-EPA-395	11N13W07CBCD01	464315	1131719	H	15	--	--	-	-	110ALVM
CF-EPA-393	11N13W07DDCD01	464301	1131621	H	37	--	--	-	-	110ALVM

OTHER IOENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION OATA	METHOD CONST-RUCTEO	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-837	--	--	-	-	--	--	-	--	--	-
CF-EPA-838	O'KEEFE	--	D	C	6	6	S	44	49	P
CF-EPA-827	--	--	S	O	--	--	-	--	--	-
CF-EPA-841	--	--	S	D	60	60	C	--	--	-
CF-EPA-835	--	--	S	-	--	--	S	--	--	-
CF-EPA-836	--	--	-	-	--	--	-	--	--	-
CF-EPA-845	--	--	O	-	6	6	-	--	--	-
CF-EPA-815	--	--	S	-	--	--	S	--	--	-
CF-EPA-814	--	--	O	O	--	--	-	--	--	-
CF-EPA-849	--	--	-	-	--	--	-	--	--	-
CF-EPA-805	--	--	S	-	--	--	S	--	--	-
CF-EPA-804	--	--	S	-	--	--	S	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-846	--	--	-	-	--	--	-	--	--	-
CF-EPA-821	--	--	S	-	--	--	S	--	--	-
CF-EPA-820	--	--	-	-	--	--	-	--	--	-
CF-EPA-847	--	--	-	-	--	--	-	--	--	-
CF-EPA-819	--	--	S	-	--	--	S	--	--	-
CF-EPA-828	JEROME	07-23-82	D	H	6	6	S	38	100	P
--	--	--	-	-	--	4	P	--	--	-
CF-EPA-823	JEROME	07-20-75	D	H	6	6	S	90	160	P
CF-EPA-824	--	--	S	-	--	--	S	--	--	-
CF-EPA-848	CAMP	09-25-64	O	C	6	6	S	90	105	P
--	--	--	-	-	--	S	S	--	--	-
CF-EPA-822	--	--	S	-	--	--	S	--	--	-
CF-EPA-816	--	--	S	-	--	--	S	--	--	-
CF-EPA-825	--	--	S	-	--	--	S	--	--	-
CF-EPA-826	--	--	O	V	--	--	-	--	--	-
CF-EPA-802	--	--	S	-	--	--	S	--	--	-
CF-EPA-803	--	--	O	V	--	--	-	--	--	-
CF-EPA-801	--	--	S	V	--	--	-	--	--	-
CF-EPA-817	--	--	-	-	--	--	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-833	--	--	-	-	--	--	-	--	--	-
CF-EPA-834	camp	10-19-63	D	C	6	6	S	27	32	X
CF-EPA-832	--	--	-	-	--	--	-	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-840	--	--	-	-	--	--	-	--	--	-
CF-EPA-395	--	--	S	-	--	4	S	--	--	-
CF-EPA-393	MCMAHAN	- -78	O	V	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-837	C	10.0	818	7.2	--	--	-	-
CF-EPA-838	S	12.0	782	7.2	35	1	D	D
CF-EPA-827	C	10.0	761	7.1	--	--	-	-
CF-EPA-841	C	9.0	642	7.1	--	--	-	-
CF-EPA-835	U	11.0	730	7.2	--	--	-	-
CF-EPA-836	C	10.0	832	7.3	--	--	-	-
CF-EPA-845	U	10.0	775	7.2	--	--	-	-
CF-EPA-815	S	10.0	746	7.4	--	--	-	-
CF-EPA-814	U	10.0	761	7.1	--	--	-	-
CF-EPA-849	-	9.0	797	7.2	--	--	-	-
CF-EPA-805	S	10	710	7.2	--	--	-	-
CF-EPA-804	U	11	--	--	--	--	-	-
--	-	--	737	7	--	--	-	-
CF-EPA-846	-	10.0	729	7.3	--	--	-	-
CF-EPA-821	C	10.0	1160	7.1	--	--	-	-
CF-EPA-820	U	11.0	202	7.4	--	--	-	-
CF-EPA-847	-	--	--	--	--	--	-	-
CF-EPA-819	U	9.0	1190	7.4	--	--	-	-
CF-EPA-828	S	10.0	1290	7.2	35	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-823	S	10.0	2190	7.0	10	1	D	D
CF-EPA-824	S	11.0	1030	7.0	--	--	-	-
CF-EPA-848	S	10.0	835	7.9	15	1	D	D
--	-	--	--	--	--	--	-	-
CF-EPA-822	S	10.0	1130	7.1	--	--	-	-
CF-EPA-816	S	12.0	1220	7.2	--	--	-	-
CF-EPA-825	S	12.0	630	7.5	--	--	-	-
CF-EPA-826	C	9.0	670	7.0	--	--	-	-
CF-EPA-802	S	10.5	592	7.3	--	--	-	-
CF-EPA-803	S	9	683	6.9	--	--	-	-
CF-EPA-801	C	11	588	7.1	--	--	-	-
CF-EPA-817	U	10.0	682	--	--	--	-	-
--	-	--	--	7.0	--	--	-	-
CF-EPA-833	U	10.0	818	7.1	--	--	-	-
CF-EPA-834	C	10.0	832	7.2	17	.5	0	D
CF-EPA-832	C	--	703	7.2	--	--	-	-
--	-	10.0	--	--	--	--	-	-
CF-EPA-840	-	12.0	714	7.2	--	--	-	-
CF-EPA-395	J	9.0	515	7.1	--	--	-	-
CF-EPA-393	-	9.5	659	7.4	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-394	11N13W07DDCD02	464301	1131620	U	--	20.79	1.6	S	S	110ALVM
CF-EPA-391	11N13W07DDDA01	464303	1131610	H	18	--	2.1	-	-	110ALVM
CF-EPA-392	11N13W07DDDB01	464302	1131618	H	35	7.72	1.3	S	S	110ALVM
CF-EPA-390	11N13W08CC 01	464305	1131603	I	30	6.70	1.5	S	S	110ALVM
CF-EPA-388	11N13W08CDCB01	464303	1131548	H	--	15.05	1.8	S	S	110ALVM
CF-EPA-387	11N13W08CDCD01	464301	1131542	H	--	16.79	1.0	S	S	110ALVM
CF-EPA-383	11N13W16ABCC01	464247	1131414	H	140	62.58	1.7	S	S	200MSZC
CF-EPA-384	11N13W17ADA 01	464241	1131458	U	20	13.76	-4.7	S	S	110ALVM
CF-EPA-389	11N13W17BABA01	464259	1131540	H	--	21.74	1.3	S	S	110ALVM
CF-EPA-386	11N13W17BABB01	464254	1131547	H	22	6.83	-2.3	S	S	110ALVM
CF-EPA-385	11N13W17BDAA01	464244	1131535	H	60	--	--	-	-	110ALVM
CF-EPA-382	11N13W22AAAC01	464204	1131230	H	87	--	--	-	-	110ALVM
CF-EPA-402	11N13W23CDBA01	464125	1131157	P[13]	25	11.84	1.9	S	S	110ALVM
CF-EPA-381	11N13W23CDDA01	464120	1131146	H	29	6.04	.5	S	S	110ALVM
CF-EPA-380	11N13W26AACC01	464102	1131125	H[225]	190	42.98	.6	S	S	--
CF-EPA-378	11N13W36DDBA01	463942	1131002	H	80	--	--	-	-	120SDMS
CF-EPA-379	11N13W36DDBA02	463940	1131002	H	120	45.50	1.2	S	S	120SDMS
CF-EPA-050	11N14W11DCAC01	464308	1131909	U	25	7.25	--	S	S	110ALVM
CF-EPA-397	11N14W14BBCC01	464248	1132000	H	--	--	--	-	-	--
CF-EPA-396	11N14W14BBCD01	464248	1131953	H	--	--	--	-	-	110ALVM
CF-EPA-059	11N14W15DDA 01	464220	1132006	P[10]	47	7.20	1.2	S	S	110ALVM
CF-EPA-058	11N14W15DDB 01	464220	1132015	P[14]	53	8.46	1.5	S	S	110ALVM
CF-EPA-365	11N14W16CCCD01	464213	1132223	H	--	9.06	.8	S	S	110ALVM
CF-EPA-366	11N14W16CCDC01	464213	1132221	I	20	-.3	2.6	S	S	110ALVM
CF-EPA-367	11N14W16CDCB01	464211	1132214	U	--	--	--	-	-	110ALVM
CF-EPA-371	11N14W17CDCB01	464211	1132327	H	42	--	--	-	-	110ALVM
CF-EPA-370	11N14W17CDDB01	464212	1132319	I	47	6.08	1.1	S	S	110ALVM
CF-EPA-369	11N14W17CDDD01	464210	1132315	I	43	3.75	1.6	S	S	110ALVM
CF-EPA-377	11N14W18DDCC01	464209	1132404	U	105	16	--	D	R	217KOTN
CF-EPA-372	11N14W18DDDD01	464208	1132352	H	18	6.25	1.1	S	S	110ALVM
CF-EPA-368	11N14WC8DP01	464228	1131950	U	--	13.06	.6	S	S	110ALVM
CF-EPA-300	11N15N24ADDB01	464145	1132512	H	--	4.36	1.5	S	S	110ALVM
CF-EPA-362	11N15W07DBCA01	464328	1133158	H	30	--	--	-	-	110ALVM
CF-EPA-361	11N15W07DCDA01	464302	1133145	H	60	8.41	1.90	S	S	110ALVM
CF-EPA-302	11N15W24ADAA01	464151	1132510	P[15]	62	--	--	-	-	110ALVM
CF-EPA-301	11N15W24ADDB02	464145	1132512	U	8.4	5.58	--	S	S	110ALVM
CF-EPA-333	11N16W06CCDD01	464350	1133959	H	54	--	--	-	-	110ALVM
CF-EPA-334	11N16W06CCDD02	464351	1133958	H	--	6.94	1.2	S	S	110ALVM
CF-EPA-400	11N16W06CDCD01	464352	1133947	H	--	--	--	-	-	110ALVM
CF-EPA-401	11N16W06CDCD02	464353	1133946	I[15]	--	--	--	-	-	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-394	MCMAHAN	- -36	O	V	--	6	S	--	--	-
CF-EPA-391	--	- -86	O	-	--	5	S	--	--	-
CF-EPA-392	--	- -84	O	-	--	6	S	--	--	-
CF-EPA-390	WEBBERDING	- -85	O	V	--	6	S	--	--	-
CF-EPA-388	BRYANT	- -84	D	-	--	6	S	--	--	-
CF-EPA-387	--	- -79	O	-	--	6	S	--	--	-
CF-EPA-383	--	- -86	O	-	--	6	S	--	--	-
CF-EPA-384	--	- -60	D	-	--	6	S	--	--	-
CF-EPA-389	--	--	S	-	--	6	S	--	--	-
CF-EPA-386	--	- -49	O	-	--	6	S	--	--	-
CF-EPA-385	LIBERTY	- -64	O	-	--	6	S	--	--	-
CF-EPA-382	REODICK	- -50	-	-	--	--	-	--	--	-
CF-EPA-402	--	--	S	-	--	6	S	--	--	-
CF-EPA-381	PALIN-SELF	- -65	D	V	--	4	S	--	--	-
CF-EPA-380	LIBERTY	12-13-67	D	A	6	6	S	49	190	X
CF-EPA-378	--	- -40	O	-	--	--	-	--	--	-
CF-EPA-379	JEROME	03- -87	O	A	--	6	S	--	--	-
CF-EPA-050	USGS	06-12-86	S	B	4	2	P	--	--	-
CF-EPA-397	--	--	-	-	--	--	-	--	--	-
CF-EPA-396	--	--	S	-	--	6	S	--	--	-
CF-EPA-059	BRIGGS	06-04-72	D	C	--	6.63	S	42	47	S
CF-EPA-058	BRIGGS	05-12-72	D	C	--	6.63	S	49	53	S
CF-EPA-365	--	--	S	-	--	6	S	--	--	-
CF-EPA-366	--	--	S	-	--	8	S	--	--	-
CF-EPA-367	--	--	S	-	--	6	S	--	--	-
CF-EPA-371	BEEBE	--	O	-	--	6	S	--	--	-
CF-EPA-370	BRAZILL	11-25-77	D	C	8	8	S	--	--	-
CF-EPA-369	BRAZILL	12-22-77	O	C	8	8	S	--	--	-
CF-EPA-377	BRAZILL	12-16-77	D	C	8	8	S	--	--	-
CF-EPA-372	--	--	S	-	--	6	S	--	--	-
CF-EPA-368	--	--	S	-	--	6	S	--	--	-
CF-EPA-300	--	- -85	O	-	--	6	S	--	--	-
CF-EPA-362	CAMP	--	O	-	--	--	-	--	--	-
CF-EPA-361	CAMP	- -82	O	-	--	6	S	--	--	-
CF-EPA-302	--	- -72	O	-	--	6	S	--	--	-
CF-EPA-301	--	- -87	S	D	--	23	T	--	--	-
CF-EPA-333	CAMP	- -66	O	-	--	5	S	--	--	-
CF-EPA-334	HOLINSTEINER	- -81	O	C	--	6	S	--	--	-
CF-EPA-400	--	--	-	-	--	--	-	--	--	-
CF-EPA-401	--	--	-	-	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-394	-	--	--	--	--	--	-	-
CF-EPA-391	S	8.5	590	7.3	--	--	-	-
CF-EPA-392	S	9.0	600	7.2	--	--	-	-
CF-EPA-390	S	10.0	538	7.3	--	--	-	-
CF-EPA-388	S	10.5	475	7.4	--	--	-	-
CF-EPA-387	S	10.5	540	7.6	--	--	-	-
CF-EPA-383	S	10.5	649	7.5	--	--	-	-
CF-EPA-384	C	--	--	--	--	--	-	-
CF-EPA-389	S	9.5	545	7.6	--	--	-	-
CF-EPA-386	J	8.0	479	7.6	--	--	-	-
CF-EPA-385	S	8.5	541	7.5	--	--	-	-
CF-EPA-382	-	9.5	795	7.5	--	--	-	-
CF-EPA-402	S	11.0	1050	7.2	--	--	-	-
CF-EPA-381	J	9	461	7.9	--	--	-	-
CF-EPA-380	S	10.0	548	7.4	20	4	D	D
CF-EPA-378	-	9.5	1390	7.6	--	--	-	-
CF-EPA-379	S	9.5	1610	7.4	--	--	-	-
CF-EPA-050	-	--	--	--	--	--	-	-
CF-EPA-397	S	--	--	--	--	--	-	-
CF-EPA-396	S	13.0	969	7.3	--	--	-	-
CF-EPA-059	-	--	--	--	50	4	D	D
CF-EPA-058	-	12	585	7.9	50	2	D	D
CF-EPA-365	S	10.5	158	6.6	--	--	-	-
CF-EPA-366	S	--	--	--	--	--	-	-
CF-EPA-367	S	--	--	--	--	--	-	-
CF-EPA-371	J	9	579	7.5	--	--	-	-
CF-EPA-370	S	10	512	7.7	350	4	D	D
CF-EPA-369	Z	--	--	--	350	3	D	D
CF-EPA-377	-	--	--	--	350	3	D	D
CF-EPA-372	S	9.5	569	7.4	--	--	-	-
CF-EPA-368	-	--	--	--	--	--	-	-
CF-EPA-300	S	9.5	532	7.5	--	--	-	-
CF-EPA-362	-	10.5	382	7.6	--	--	-	-
CF-EPA-361	S	10.5	495	7.7	--	--	-	-
CF-EPA-302	S	12.0	563	7.4	--	--	-	-
CF-EPA-301	-	--	--	--	--	--	-	-
CF-EPA-333	J	8.5	245	6.8	--	--	-	-
CF-EPA-334	J	9.5	8	--	--	--	-	-
CF-EPA-400	-	--	--	--	--	--	-	-
CF-EPA-401	-	12.5	416	7.3	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-398	11N16W07AAAA01	464351	1133944	RW	29	8	--	O	R	110ALVM
CF-EPA-399	11N16W07AAAA02	464348	1133841	U	--	8.45	1.6	S	S	110ALVM
CF-EPA-335	11N16W08ABBA01	464349	1133751	I	40	--	--	-	-	110ALVM
CF-EPA-337	11N16W08ABBA02	464348	1133751	H	60	20	--	O	R	110ALVM
CF-EPA-336	11N16W08ADAB01	464337	1133730	U	40	19.53	.7	S	S	110ALVM
CF-EPA-057	11N16W08BAD 01	464335	1133803	PIT	51	12.06	1.5	S	S	110ALVM
CF-EPA-056	11N16W08BDA 01	464334	1133803	PIT	42	11.97	1.9	S	S	110ALVM
CF-EPA-338	11N16W09DA9B01	464325	1133618	H	--	--	--	-	-	110ALVM
CF-EPA-339	11N16W10C9BB01	464342	1133603	H	18	4.18	1.2	S	S	110ALVM
CF-EPA-358	11N16W11AADC01	464343	1133346	H	84	--	--	-	-	110ALVM
CF-EPA-359	11N16W11AADC02	464342	1133350	S	48	20	--	D	R	110ALVM
CF-EPA-360	11N16W11ACAC01	464334	1133407	I	--	--	--	-	-	110ALVM
CF-EPA-051	11N16W11CAAA01	464322	1133420	U	24	--	--	-	-	110ALVM
CF-EPA-356	11N16W11CACC01	464313	1133437	H	22	--	--	-	-	110ALVM
CF-EPA-357	11N16W11CDBA01	464313	1133426	PIS	--	--	--	-	-	110ALVM
CF-EPA-340	11N16W15AAAB01	464259	1133518	H	--	--	--	-	-	110ALVM
CF-EPA-342	11N16W15AAC001	464249	1133521	I	--	6.22	-5	S	S	110ALVM
CF-EPA-341	11N16W15AADB01	464252	1133518	H	--	3.42	2.1	S	S	110ALVM
CF-EPA-330	11N17W02A9B 01	464438	1134155	H	60	--	--	-	-	110ALVM
CF-EPA-329	11N17W02ABCB01	464434	1134152	H	50	7.13	1.4	S	S	110ALVM
CF-EPA-374	11N17W02ACBA01	464428	1134150	H	--	8.4	2.5	S	S	110ALVM
CF-EPA-375	11N17W02ACBD01	464425	1134150	U	--	3.93	1.6	S	S	110ALVM
CF-EPA-376	11N17W02ACOC01	464417	1134147	H	--	--	--	-	-	110ALVM
CF-EPA-328	11N17W02CADA01	464408	1134159	H230	--	6.59	1.6	S	S	110ALVM
CF-EPA-331	11N17W12ADD001	464328	1134002	H	80	10.69	2.3	S	S	110ALVM
CF-EPA-332	11N17W12AODD02	464329	1134003	-	--	--	--	-	-	110ALVM
CF-EPA-315	12N17W07CCAA01	464837	1134735	H	28	10.41	-5.1	S	S	110ALVM
CF-EPA-314	12N17W07CCAD01	464834	1134735	H	46	--	--	-	-	110ALVM
CF-EPA-316	12N17W07CDC001	464826	1134722	H	--	9.25	.8	S	S	110ALVM
CF-EPA-317	12N17W07DCCB01	464830	1134715	H	--	7.66	.8	S	S	110ALVM
CF-EPA-318	12N17W07D0AC01	464834	1134643	H	62	8.53	1.2	S	S	110ALVM
CF-EPA-319	12N17W07D0DB01	464831	1134638	H	63	10.10	1.6	S	S	110ALVM
CF-EPA-721	12N17W16CBCB01	464751	1134518	H	65	41.2	1.4	S	T	--
CF-EPA-720	12N17W16CB0C01	464748	1124231	H	37	17	--	O	R	110ALVM
CF-EPA-701	12N17W16CCDD01	464735	1134458	H	56	33.90	.6	S	T	110ALVM
CF-EPA-305	12N17W17B8CC01	464814	1134633	H	34	--	--	-	-	110ALVM
CF-EPA-308	12N17W17BCCC01	464802	1134630	I	44	2.72	.3	S	S	110ALVM
CF-EPA-327	12N17W17B0AC01	464707	1134602	C99	--	--	--	-	-	110ALVM
CF-EPA-326	12N17W17BDAC02	464757	1134601	N	--	35.12	-3	S	S	110ALVM
CF-EPA-304	12N17W17CAAC01	464756	1134601	H	--	19.39	-5.2	S	S	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-398	CAMP	07-26-62	D	C	6	6	S	--	--	-
CF-EPA-399	--	--	S	-	--	6	S	--	--	-
CF-EPA-335	HANCOCK	06- -86	O	C	--	6	S	--	--	-
CF-EPA-337	HANCOCK	- -75	O	C	--	--	-	--	--	-
CF-EPA-336	--	- -48	S	-	--	6	S	--	--	-
CF-EPA-057	BAKKE	07-23-70	D	C	--	6	S	--	--	-
CF-EPA-056	BAKKE	07-21-70	D	C	--	6	-	--	--	-
CF-EPA-338	--	--	-	-	--	--	-	--	--	-
CF-EPA-339	--	- -60	O	-	--	4	S	--	--	-
CF-EPA-358	--	--	-	-	--	--	-	--	--	-
CF-EPA-359	CAMP	11-04-75	D	H	6	6	S	--	--	-
CF-EPA-360	CAMP	- -71	D	-	--	6	S	--	--	-
CF-EPA-051	USGS	06-04-86	S	B	4	2	P	14	24	S
CF-EPA-356	--	--	-	-	--	--	-	--	--	-
CF-EPA-357	--	- -73	R	-	--	6	S	--	--	-
CF-EPA-340	--	--	-	-	--	--	-	--	--	-
CF-EPA-342	MCFARLAND	- -71	O	V	--	6	S	--	--	-
CF-EPA-341	BRAZILL	- -82	S	-	--	6	S	--	--	-
CF-EPA-330	--	- -73	S	-	--	6	S	--	--	-
CF-EPA-329	JERDME	05-31-80	D	A	--	6	S	--	--	-
CF-EPA-374	--	--	S	-	--	6	S	--	--	-
CF-EPA-375	--	--	S	-	--	6	S	--	--	-
CF-EPA-376	--	--	S	-	--	--	-	--	--	-
CF-EPA-328	--	--	S	-	--	13	G	--	--	-
CF-EPA-331	CAMP	--	O	-	--	6	S	--	--	-
CF-EPA-332	--	--	-	-	--	--	-	--	--	-
CF-EPA-315	NORTON	- -48	O	-	--	4	S	--	--	-
CF-EPA-314	--	- -87	O	-	--	--	-	--	--	-
CF-EPA-316	--	--	S	-	--	6	S	--	--	-
CF-EPA-317	JEROME	--	S	-	--	6	S	--	--	-
CF-EPA-318	CULLIGAN	- -74	D	C	--	6	S	--	--	-
CF-EPA-319	CAMP	- -66	D	-	--	6	S	--	--	-
CF-EPA-721	OKEEFE	- -84	O	-	--	--	-	--	--	-
CF-EPA-720	--	06-15-55	D	-	--	4	-	--	--	-
CF-EPA-701	WESTERN ORLG	06-30-75	D	C	6	6	S	--	--	-
CF-EPA-305	--	- -50	S	-	--	6	S	--	--	-
CF-EPA-308	--	- -84	-	-	--	6	S	--	--	-
CF-EPA-327	--	--	S	-	--	6	S	--	--	-
CF-EPA-326	--	--	S	-	--	6	S	--	--	-
CF-EPA-304	--	--	S	-	--	6	S	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPER-ATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-398	S	11.5	420	7.4	200	3	D	D
CF-EPA-399	-	--	--	--	--	--	-	-
CF-EPA-335	S	9.5	425	7.6	--	--	-	-
CF-EPA-337	J	9.5	459	7.5	--	--	-	-
CF-EPA-336	-	--	--	--	--	--	-	-
CF-EPA-057	-	11	430	7.9	87	--	D	D
CF-EPA-056	-	9	480	8.1	87	--	D	D
CF-EPA-338	-	9.0	551	7.5	--	--	-	-
CF-EPA-339	J	9.0	589	7.6	--	--	-	-
CF-EPA-358	-	--	--	--	--	--	-	-
CF-EPA-359	-	--	--	--	40	1	D	D
CF-EPA-360	S	--	--	--	--	--	-	-
CF-EPA-051	-	--	--	--	--	--	-	D
CF-EPA-356	-	10.5	623	7.4	--	--	-	-
CF-EPA-357	S	--	--	--	--	--	-	-
CF-EPA-340	-	--	--	--	--	--	-	-
CF-EPA-342	J	--	--	--	--	--	-	-
CF-EPA-341	S	11.5	505	7.6	--	--	-	-
CF-EPA-330	S	11.0	406	7.1	--	--	-	-
CF-EPA-329	J	9.5	398	7.3	--	--	-	-
CF-EPA-374	S	9	429	7.1	--	--	-	-
CF-EPA-375	S	--	--	--	--	--	-	-
CF-EPA-376	S	--	--	--	--	--	-	-
CF-EPA-328	J	9.5	359	7.3	--	--	-	-
CF-EPA-331	S	8.5	185	7.2	--	--	-	-
CF-EPA-332	-	--	--	--	--	--	-	-
CF-EPA-315	J	8.5	412	7.2	--	--	-	-
CF-EPA-314	-	8.5	410	7.3	--	--	-	-
CF-EPA-316	S	7.5	378	7.6	--	--	-	-
CF-EPA-317	S	10.5	409	7.5	--	--	-	-
CF-EPA-318	S	9.0	159	7.0	--	--	-	-
CF-EPA-319	S	9.5	158	7.9	--	--	-	-
CF-EPA-721	S	10	159	--	--	--	-	-
CF-EPA-720	S	8.0	77	6.4	--	--	-	-
CF-EPA-701	S	13	408	7.3	12	2	D	D
CF-EPA-305	C	--	--	--	--	--	-	-
CF-EPA-308	J	10.5	459	7.5	--	--	-	-
CF-EPA-327	S	--	--	--	--	--	-	-
CF-EPA-326	J	10.5	339	7.9	--	--	-	-
CF-EPA-304	J	12.0	372	7.4	--	--	-	-

DATE: 07/16/97

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-324	12N17W17DAAC01	464754	1134524	H	61	30.62	1.4	S	S	110ALVM
CF-EPA-325	12N17W17DAAC02	464754	1134523	H	65	30.93	.9	S	S	110ALVM
CF-EPA-321	12N17W17DADA01	464752	1134515	H	88	--	--	-	-	110ALVM
CF-EPA-322	12N17W17DADA02	464753	1134519	U	60	37.21	.7	S	S	110ALVM
CF-EPA-323	12N17W17DADA03	464752	1134518	H	60	--	--	-	-	110ALVM
CF-EPA-373	12N17W17DADB01	464755	1134521	H	65	33.79	-4.8	S	S	110ALVM
CF-EPA-303	12N17W17DDCB01	464740	1134532	H	--	--	--	-	-	110ALVM
CF-EPA-311	12N17W18AADD01	464819	1134644	H	51	17.06	6.1	S	S	110ALVM
CF-EPA-320	12N17W18ABAD01	464822	1134655	H	40	6.94	-2.0	S	S	110ALVM
CF-EPA-310	12N17W18ADAA01	464810	1134637	H	--	--	--	-	-	110ALVM
CF-EPA-309	12N17W18ADCA01	464804	1134646	I [30]	30	6.83	.5	S	S	110ALVM
CF-EPA-306	12N17W18ADDB01	464804	1134642	H	50	8.91	1.2	S	S	110ALVM
CF-EPA-307	12N17W18ADDD01	464802	1134635	H	55	--	1.0	-	-	110ALVM
CF-EPA-700	12N17W20AAAC01	464730	1134520	H	60	15.4	-1.9	S	T	110ALVM
CF-EPA-704	12N17W21AACB01	464725	1134415	H [275]	60	30	--	D	R	110ALVM
CF-EPA-703	12N17W21ABBB01	464733	1134435	H	--	28.7	2.5	S	T	110ALVM
CF-EPA-727	12N17W22ACDB01	464709	1124304	H	60	20.7	1.1	S	T	110ALVM
CF-EPA-726	12N17W22ADDC01	464706	1124245	H	--	20.60	--	S	T	110ALVM
CF-EPA-705	12N17W22B3CC01	464720	1134352	H	52	21.50	1.8	S	T	110ALVM
CF-EPA-728	12N17W22BBDA01	464725	1124342	H	--	18.30	--	S	T	110ALVM
CF-EPA-706	12N17W22BCAD01	464714	1134337	H	51	21.10	1.5	S	T	110ALVM
CF-EPA-707	12N17W22BDCA01	464712	1134330	H	58	8	--	D	R	110ALVM
CF-EPA-708	12N17W22CADD01	464657	1134319	H	34	5.40	-3.1	S	T	110ALVM
CF-EPA-725	12N17W22DAAB01	464705	1124244	H	70	--	--	-	-	--
CF-EPA-724	12N17W22DAAD01	464703	1124238	H	38	--	--	-	-	110ALVM
CF-EPA-723	12N17W22DACA01	464658	1124251	H	--	24.60	1.8	S	T	110ALVM
CF-EPA-709	12N17W22DBCB01	464700	1134315	H	40	15	--	D	R	110ALVM
CF-EPA-711	12N17W22DBCC01	464658	1134313	H	40	15	--	D	R	110ALVM
CF-EPA-722	12N17W23CCDB01	464645	1134228	H	100	55.0	2.5	S	T	--
CF-EPA-718	12N17W27AAB901	464635	1134254	H	55	22.2	1.2	S	T	110ALVM
CF-EPA-716	12N17W27AABC01	464633	1134249	H	--	--	--	-	-	110ALVM
CF-EPA-717	12N17W27AABC02	464634	1134250	H	40	--	--	-	-	110ALVM
CF-EPA-715	12N17W27AABD01	464631	1134249	H	--	--	--	-	-	110ALVM
CF-EPA-713	12N17W27AACA01	464628	1134248	H	40	--	--	-	-	110ALVM
CF-EPA-714	12N17W27AACA02	464630	1134249	H	--	--	--	-	-	110ALVM
CF-EPA-719	12N17W27AACB01	464630	1134252	H	62	25	--	D	R	110ALVM
CF-EPA-712	12N17W27AACD01	464626	1134248	H	--	--	--	-	-	110ALVM
CF-EPA-710	12N17W27ABAC01	464633	1134303	H	62	7.9	.80	S	T	110ALVM
CF-EPA-729	12N17W27ADBA01	464622	1134247	P [21]	--	--	--	-	-	110ALVM
CF-EPA-731	12N17W27ADCA01	464613	1134248	H	--	29.10	.8	S	T	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-324	BEEBE	11-17-72	D	C	6	6	S	--	--	-
CF-EPA-325	--	- -72	O	-	--	6	S	--	--	-
CF-EPA-321	CAMP	- -73	D	-	--	--	-	--	--	-
CF-EPA-322	--	- -70	O	-	--	--	-	--	--	-
CF-EPA-323	--	--	-	-	--	--	-	--	--	-
CF-EPA-373	CAMP	10-15-74	D	H	6	6	S	--	--	-
CF-EPA-303	--	--	-	-	--	--	-	--	--	-
CF-EPA-311	FARRELL	11-13-62	D	-	5	4	S	--	--	-
CF-EPA-320	--	- -78	O	-	--	4	S	--	--	-
CF-EPA-310	--	--	-	-	--	--	-	--	--	-
CF-EPA-309	--	- -84	O	-	--	6	S	--	--	-
CF-EPA-306	DALLAS	11-24-73	D	C	6	6	S	--	--	-
CF-EPA-307	--	- -73	S	-	--	6	S	--	--	-
CF-EPA-700	--	- -78	O	-	--	--	-	--	--	-
CF-EPA-704	OKEEFE	08-30-77	D	H	6	6	S	--	--	-
CF-EPA-703	OKEEFE	- -84	O	-	--	--	-	--	--	-
CF-EPA-727	--	--	S	-	--	--	-	--	--	-
CF-EPA-726	--	--	-	-	--	--	-	--	--	-
CF-EPA-705	OKEEFE	08-21-71	D	C	6	6	S	--	--	-
CF-EPA-728	--	--	-	-	--	--	-	--	--	-
CF-EPA-706	OKEEFE	06-05-72	D	C	6	6	S	--	--	-
CF-EPA-707	PICKENS	02-14-77	D	C	6	6	S	--	--	-
CF-EPA-708	LIBERTY DRLG	10-13-66	D	C	6	6	S	--	--	-
CF-EPA-725	--	--	-	-	--	--	-	--	--	-
CF-EPA-724	CUNNINGHAM	--	O	-	--	--	-	--	--	-
CF-EPA-723	JEROME	--	O	-	--	--	-	--	--	-
CF-EPA-709	MONTELIUS	07- -68	D	V	6	4	S	--	--	-
CF-EPA-711	WILCOX	07-12-67	D	C	6	6	S	--	--	-
CF-EPA-722	JEROME	- -84	O	-	--	--	-	--	--	-
CF-EPA-718	CAMP	10-27-73	D	H	6	6	S	--	--	-
CF-EPA-716	--	--	-	-	--	--	-	--	--	-
CF-EPA-717	--	--	-	-	--	--	-	--	--	-
CF-EPA-715	--	--	-	-	--	--	-	--	--	-
CF-EPA-713	--	- -99	O	V	--	--	-	--	--	-
CF-EPA-714	--	--	-	-	--	--	-	--	--	-
CF-EPA-719	MISSION DRLG	09-11-73	D	C	6	6	S	--	--	-
CF-EPA-712	--	--	-	-	--	--	-	--	--	-
CF-EPA-710	NRTH PCFC RR	01-29-52	D	-	6	6	S	--	--	-
CF-EPA-729	--	--	-	-	--	--	-	--	--	-
CF-EPA-731	--	- -77	O	-	--	--	-	--	--	-
CF-EPA-721	--	--	-	-	--	--	-	--	--	-
CF-EPA-702	--	--	-	-	--	--	-	--	--	-
CF-EPA-701	--	--	-	-	--	--	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-324	S	9.5	60	6.5	30	1	D	D
CF-EPA-325	S	9.0	68	6.3	--	--	-	-
CF-EPA-321	-	9.0	74	6.1	--	--	-	-
CF-EPA-322	-	--	--	--	--	--	-	-
CF-EPA-323	-	9.5	154	7.1	--	--	-	-
CF-EPA-373	S	9.5	139	8.1	30	2	D	D
CF-EPA-303	-	10.0	408	7.4	--	--	-	-
CF-EPA-311	J	11.0	360	7.5	28	2	D	D
CF-EPA-320	S	9.5	413	7.6	--	--	-	-
CF-EPA-310	-	9.0	338	7.1	--	--	-	-
CF-EPA-309	C	9.0	441	7.4	--	--	-	-
CF-EPA-306	S	11.5	439	7.5	40	2	D	D
CF-EPA-307	S	10.0	455	7.5	--	--	-	-
CF-EPA-700	S	10	380	7.4	--	--	-	-
CF-EPA-704	S	11	426	7.2	35	1.5	D	D
CF-EPA-703	C	11	375	7.5	--	--	-	-
CF-EPA-727	S	10.5	276	--	--	--	-	-
CF-EPA-726	S	--	--	--	--	--	-	-
CF-EPA-705	S	12	420	7.5	20	2	D	D
CF-EPA-728	S	11.0	381	--	--	--	-	-
CF-EPA-706	S	10	413	7.6	25	1	D	D
CF-EPA-707	S	11	418	7.6	35	3	D	D
CF-EPA-708	C	13	362	7.8	100	1.5	D	D
CF-EPA-725	S	13.0	372	--	--	--	-	-
CF-EPA-724	S	12.0	297	7.2	--	--	-	-
CF-EPA-723	C	10.0	278	7.2	--	--	-	-
CF-EPA-709	S	15	386	7.5	50	1	D	D
CF-EPA-711	S	--	--	--	50	1	D	D
CF-EPA-722	S	10.0	218	7.2	--	--	-	-
CF-EPA-718	S	--	--	--	60	1	D	D
CF-EPA-716	-	12	398	7.6	--	--	-	-
CF-EPA-717	S	--	--	--	--	--	-	-
CF-EPA-715	-	--	--	--	--	--	-	-
CF-EPA-713	S	--	--	--	--	--	-	-
CF-EPA-714	S	12	395	7.6	--	--	-	-
CF-EPA-719	S	--	--	--	15	3	D	D
CF-EPA-712	S	11	379	7.6	--	--	-	-
CF-EPA-710	A	11	334	7.9	9	--	D	D
CF-EPA-729	U	12.0	375	7.2	--	--	-	-
CF-EPA-731	S	12.5	364	6.8	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-730	12N17W27ADCD01	464612	1134250	H	--	--	--	-	-	110ALVM
CF-EPA-738	12N17W27ADDC01	464612	1134244	H	--	23.70	1.0	S	T	110ALVM
CF-EPA-739	12N17W27DAAB01	464608	1134243	H	--	--	--	-	-	110ALVM
CF-EPA-736	12N17W27DABA01	464608	1134246	H	--	--	--	-	-	110ALVM
CF-EPA-737	12N17W27DABA02	464609	1134246	H	--	--	--	-	-	110ALVM
CF-EPA-732	12N17W27DACA01	464604	1134246	H	--	--	--	-	-	110ALVM
CF-EPA-733	12N17W27DACA02	464603	1134246	H	--	4.44	.4	S	T	110ALVM
CF-EPA-735	12N17W27DACD01	464601	1134247	H	--	--	--	-	-	110ALVM
CF-EPA-734	12N17W27DADB01	464604	1134243	H	56	26	--	D	R	110ALVM
CF-EPA-740	12N17W27DADC01	464600	1134241	H	--	--	--	-	-	110ALVM
CF-EPA-747	12N17W27DADD01	464558	1134240	H	--	--	--	-	-	110ALVM
CF-EPA-741	12N17W27DDAB01	464557	1134241	H	--	--	--	-	-	110ALVM
CF-EPA-746	12N17W27DDAB02	464554	1134242	H	--	6.93	.9	S	T	110ALVM
CF-EPA-742	12N17W27DDAC01	464553	1134244	H	--	4.83	2.4	S	T	110ALVM
CF-EPA-743	12N17W27DDAC02	464551	1134242	H	--	--	--	-	-	110ALVM
CF-EPA-745	12N17W27DDAD01	464552	1134239	H	--	--	--	-	-	110ALVM
CF-EPA-748	12N17W27DDDA01	464549	1134238	H	--	--	--	-	-	110ALVM
CF-EPA-749	12N17W27DDDA02	464547	1134237	H	40	15.12	1.8	S	T	110ALVM
CF-EPA-744	12N17W27DDDA03	464547	1134239	H	--	5.25	1.2	S	T	110ALVM
CF-EPA-750	12N17W27DDDD01	464545	1134238	H	60	15.0	--	D	R	110ALVM
CF-EPA-751	12N17W34AAAD01	464537	1134235	H	40	14	--	D	R	110ALVM
CF-EPA-752	12N17W34AADC01	464531	1134243	H	--	--	--	-	-	110ALVM
CF-EPA-763	12N17W34CACD01	464504	1134327	H	66	51.3	2.5	S	T	110ALVM
CF-EPA-756	12N17W34DBCD01	464503	1134307	H	--	--	--	-	-	110ALVM
CF-EPA-757	12N17W34DBDD01	464504	1134258	H	--	7.20	1.0	S	T	110ALVM
CF-EPA-764	12N17W34DCAA01	464503	1134258	H	--	8.4	2.2	S	T	110ALVM
CF-EPA-765	12N17W34DCAD01	464459	1134258	H	41	10.3	.9	S	T	110ALVM
CF-EPA-762	12N17W34DDAC01	464457	1134243	H	--	11.1	1.7	S	T	110ALVM
CF-EPA-761	12N17W34DDBA01	464501	1134247	H	55	9.9	2.0	S	T	110ALVM
CF-EPA-767	12N17W34DDBD01	464459	1134249	H	--	10.5	1.6	S	T	110ALVM
CF-EPA-766	12N17W34DDCB01	464455	1134253	H	--	11.3	1.0	S	T	110ALVM
CF-EPA-753	12N17W35BCCC01	464523	1134232	H	--	9.78	2.5	S	T	110ALVM
CF-EPA-754	12N17W35CBBB01	464520	1134232	H	--	--	--	-	-	110ALVM
CF-EPA-755	12N17W35CBBB02	464524	1134234	H	27	11.07	-5.2	S	T	110ALVM
CF-EPA-758	12N17W35CBBC01	464516	1134234	H	--	--	--	-	-	110ALVM
CF-EPA-759	12N17W35CBCB01	464513	1134234	H	--	8.93	1.3	S	T	110ALVM
CF-EPA-760	12N17W35CBCC01	464509	1134233	H	60	9.96	1.9	S	T	110ALVM
CF-EPA-364	12N18W01CCBD01	464927	1134848	U	--	6.37	1.1	S	S	110ALVM
CF-EPA-154	12N18W01CCCD01	464923	1134843	H	--	--	--	-	-	110ALVM
CF-EPA-363	12N18W01CCDB01	464926	1134838	H	27	9.26	-2.9	S	S	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-730	--	- -00	O	D	--	--	-	--	--	-
CF-EPA-738	--	--	S	-	--	--	-	--	--	-
CF-EPA-739	--	- -32	O	-	--	--	-	--	--	-
CF-EPA-736	--	--	-	-	--	--	-	--	--	-
CF-EPA-737	HOWBRAY	05-13-52	O	-	--	--	-	--	--	-
CF-EPA-732	--	--	-	-	--	--	-	--	--	-
CF-EPA-733	--	- -66	S	-	--	--	-	--	--	-
CF-EPA-735	--	--	-	-	--	--	-	--	--	-
CF-EPA-734	GLENN CAMP	07-29-66	D	C	6	--	-	--	--	-
CF-EPA-740	--	--	-	-	--	--	-	--	--	-
CF-EPA-747	--	--	-	-	--	--	-	--	--	-
CF-EPA-741	--	--	-	-	--	--	-	--	--	-
CF-EPA-746	--	--	S	-	--	--	-	--	--	-
CF-EPA-742	--	--	S	-	--	--	-	--	--	-
CF-EPA-743	--	- -77	O	-	--	--	-	--	--	-
CF-EPA-745	--	--	-	-	--	--	-	--	--	-
CF-EPA-748	--	--	-	-	--	--	-	--	--	-
CF-EPA-749	--	--	O	-	--	--	-	--	--	-
CF-EPA-744	--	--	S	-	--	--	-	--	--	-
CF-EPA-750	--	--	-	-	--	--	-	--	--	-
CF-EPA-751	WEIDEMAN	- -77	O	-	--	--	-	--	--	-
CF-EPA-752	--	--	-	-	--	--	-	--	--	-
CF-EPA-763	--	--	S	-	--	--	-	--	--	-
CF-EPA-756	--	--	-	-	--	--	-	--	--	-
CF-EPA-757	--	--	S	-	--	--	-	--	--	-
CF-EPA-764	--	--	S	-	--	--	-	--	--	-
CF-EPA-765	--	--	S	-	--	--	-	--	--	-
CF-EPA-762	--	--	S	-	--	--	-	--	--	-
CF-EPA-761	--	--	S	-	--	--	-	--	--	-
CF-EPA-767	--	--	S	-	--	--	-	--	--	-
CF-EPA-766	--	--	S	-	--	--	-	--	--	-
CF-EPA-753	--	--	S	-	--	--	-	--	--	-
CF-EPA-754	CAMPBELL	--	S	-	--	--	-	--	--	-
CF-EPA-755	--	- -54	O	-	--	--	-	--	--	-
CF-EPA-758	--	--	-	-	--	--	-	--	--	-
CF-EPA-759	--	--	S	-	--	--	-	--	--	-
CF-EPA-760	CAMPWELL	06-07-84	D	A	--	--	-	--	--	-
CF-EPA-364	--	--	S	-	--	4	S	--	--	-
CF-EPA-154	--	--	-	-	--	--	-	--	--	-
CF-EPA-363	--	--	S	-	--	4	S	--	--	-

OTHER IOENTIFIER	TYPE OF LIFT	TEMPER-ATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIDO (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-730	U	11.0	390	6.9	--	--	-	-
CF-EPA-738	S	11.5	355	6.7	--	--	-	-
CF-EPA-739	U	12.0	359	7.2	--	--	-	-
CF-EPA-736	U	10.0	314	6.1	--	--	-	-
CF-EPA-737	U	10.5	335	6.6	--	--	-	-
CF-EPA-732	-	10.0	340	7.2	--	--	-	-
CF-EPA-733	C	11.5	342	6.8	--	--	-	-
CF-EPA-735	U	12.5	469	6.7	--	--	-	-
CF-EPA-734	C	12.5	355	7.1	50	2	0	0
CF-EPA-740	C	12.5	341	7.0	--	--	-	-
CF-EPA-747	U	11.0	347	6.5	--	--	-	-
CF-EPA-741	U	12.5	348	7.2	--	--	-	-
CF-EPA-746	S	12.5	349	7.7	--	--	-	-
CF-EPA-742	S	11.5	327	6.8	--	--	-	-
CF-EPA-743	S	10.5	333	7.0	--	--	-	-
CF-EPA-745	U	12.5	343	7.1	--	--	-	-
CF-EPA-748	U	10.0	328	7.2	--	--	-	-
CF-EPA-749	C	11.5	347	7.4	--	--	-	-
CF-EPA-744	S	--	--	--	--	--	-	-
CF-EPA-750	C	11.5	335	7.6	--	--	-	-
CF-EPA-751	C	11.5	339	7.1	--	--	-	-
CF-EPA-752	U	10.5	321	7.1	--	--	-	-
CF-EPA-763	S	7.0	289	7.2	--	--	-	-
CF-EPA-756	U	10.5	356	6.5	--	--	-	-
CF-EPA-757	C	10.0	322	6.6	--	--	-	-
CF-EPA-764	S	11.0	345	7.3	--	--	-	-
CF-EPA-765	S	9.0	342	7.4	--	--	-	-
CF-EPA-762	S	10.0	348	7.3	--	--	-	-
CF-EPA-761	S	10.0	315	7.5	--	--	-	-
CF-EPA-767	U	9.0	319	7.6	--	--	-	-
CF-EPA-766	S	8.5	348	7.3	--	--	-	-
CF-EPA-753	S	12.5	348	7.1	--	--	-	-
CF-EPA-754	S	13.0	340	6.8	--	--	-	-
CF-EPA-755	C	13.0	340	6.4	--	--	-	-
CF-EPA-758	U	11.5	307	6.2	--	--	-	-
CF-EPA-759	S	12.0	329	6.3	--	--	-	-
CF-EPA-760	S	11.5	343	6.3	--	--	-	-
CF-EPA-364	-	--	--	--	--	--	-	-
CF-EPA-154	-	8.5	385	7.4	--	--	-	-
CF-EPA-363	J	9	349	7.6	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-159	12N18W01CCDC01	464923	1134840	H	--	--	--	-	-	110ALVM
CF-EPA-169	12N18W01CDCD01	464922	1134827	H	50	9	--	D	R	110ALVM
CF-EPA-345	12N18W02CBBC01	464942	1135004	H	--	--	.5	-	-	110ALVM
CF-EPA-346	12N18W02CBDA01	464938	1134949	I	--	--	--	-	-	110ALVM
CF-EPA-153	12N18W02DABA01	464943	1134902	H	53	11.56	-5.4	S	S	110ALVM
CF-EPA-348	12N18W02DCAC01	464927	1134919	H	--	--	--	-	-	110ALVM
CF-EPA-347	12N18W02DCBB01	464932	1134929	H	60	24.82	1.8	S	S	110ALVM
--							--			--
CF-EPA-350	12N18W11AADA01	464911	1134856	U	--	--	--	-	-	110ALVM
CF-EPA-349	12N18W11AADA02	464914	1134857	H	--	--	--	-	-	110ALVM
CF-EPA-162	12N18W12ACBA01	464904	1134807	H	--	7.03	1.6	S	S	110ALVM
CF-EPA-163	12N18W12ACBB01	464903	1134813	H	59	20.60	1.8	S	S	110ALVM
CF-EPA-165	12N18W12ACBC01	464901	1134810	H	--	21.12	1.0	S	S	110ALVM
CF-EPA-170	12N18W12ACCB01	464900	1134813	H	--	--	--	-	-	110ALVM
CF-EPA-171	12N18W12ACCC01	464856	1134812	H350	--	--	--	-	-	110ALVM
CF-EPA-174	12N18W12ACCC02	464854	1134813	H	43	21	--	D	R	110ALVM
CF-EPA-164	12N18W12ACDC01	464855	1134800	H	--	--	--	-	-	110ALVM
CF-EPA-052	12N18W12BAAB02	464917	1134820	U	19	5.35	2.4	S	S	110ALVM
--							.35			--
CF-EPA-156	12N18W12BAAC01	464915	1134821	H	58	5.95	2.2	S	S	110ALVM
CF-EPA-158	12N18W12BABB01	464916	1134828	H	49	7.33	1.0	S	S	110ALVM
CF-EPA-157	12N18W12BABD01	464915	1134826	U	49	7.76	2.3	S	S	110ALVM
CF-EPA-155	12N18W12BADA01	464910	1134817	H	17	13.00	-6.1	S	S	110ALVM
CF-EPA-160	12N18W12BADA02	464912	1134816	H	--	--	--	-	-	110ALVM
CF-EPA-180	12N18W12BADA03	464912	1134814	H	30	7.5	--	D	R	110ALVM
CF-EPA-161	12N18W12BAOD01	464908	1134818	H	61	13.45	1.6	S	S	110ALVM
CF-EPA-166	12N18W12BCAA01	464905	1134803	H	--	--	--	-	-	110ALVM
CF-EPA-352	12N18W12BCBA01	464900	1134838	H	--	--	--	-	-	110ALVM
CF-EPA-351	12N18W12BCBD01	464903	1134847	H	--	15.51	1.2	S	S	110ALVM
CF-EPA-353	12N18W12BCOA01	464858	1134837	H	50	19.10	1.8	S	S	110ALVM
CF-EPA-354	12N18W12BCOA02	464855	1134834	H	50	20.11	1.8	S	S	110ALVM
CF-EPA-355	12N18W12BCOB01	464857	1134838	H	--	--	--	-	-	110ALVM
CF-EPA-167	12N18W12BDBB01	464904	1134802	H	53	20.28	2.1	S	S	110ALVM
CF-EPA-168	12N18W12BDBB02	464903	1130801	H	--	--	--	-	-	110ALVM
CF-EPA-168	12N18W12BDBB02	464903	1130801	H	--	--	--	-	-	110ALVM
CF-EPA-173	12N18W12BDDA01	464857	1134816	H	38	22	--	D	R	110ALVM
CF-EPA-172	12N18W12BDDD01	464856	1134816	H	50	18	--	D	R	110ALVM
CF-EPA-182	12N18W12DAAB01	464851	1134745	D	--	7.36	2.1	S	S	110ALVM
CF-EPA-183	12N18W12DAAC01	464848	1134743	H	--	--	--	-	-	110ALVM
CF-EPA-181	12N18W12DABA01	464852	1134749	H	--	7.63	1.6	S	S	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-159	--	--	-	-	--	--	-	--	--	-
CF-EPA-169	O.K.O.	03-04-70	O	C	6	6	S	--	--	-
CF-EPA-345	--	--	S	-	--	6	S	--	--	-
CF-EPA-346	--	--	-	-	--	--	-	--	--	-
CF-EPA-153	CAMP	08-30-63	D	C	--	6	S	--	--	-
CF-EPA-348	JEROME&OKEEF	- -79	Z	-	--	6	S	--	--	-
CF-EPA-347	CAMP	11-11-71	D	C	6	6	S	29	31	P
--	--	--	-	-	--	--	-	41	44	P
CF-EPA-350	--	--	S	-	--	6	S	--	--	-
CF-EPA-349	--	--	S	-	--	6	S	--	--	-
CF-EPA-162	--	- -80	O	-	--	4	S	--	--	-
CF-EPA-163	CAMP	08-18-78	D	H	6	6	S	--	--	-
CF-EPA-165	--	--	S	-	--	--	-	--	--	-
CF-EPA-170	--	--	-	-	--	--	-	--	--	-
CF-EPA-171	--	--	-	-	--	--	-	--	--	-
CF-EPA-174	WILLIAMS	04-20-67	O	C	6	6	S	--	--	-
CF-EPA-164	--	--	-	-	--	--	-	--	--	-
CF-EPA-052	MBMG	--	S	B	--	2	P	--	--	-
--	--	--	-	-	--	--	-	--	--	-
CF-EPA-156	CAMP	- -72	O	-	--	8	S	--	--	-
CF-EPA-158	LIBERTY	- -69	O	-	--	5.5	S	--	--	-
CF-EPA-157	CAMP	- -81	O	-	--	5.5	S	--	--	-
CF-EPA-155	--	- -35	O	-	--	4	S	--	--	-
CF-EPA-160	LIBERTY	- -51	O	-	--	--	-	--	--	-
CF-EPA-180	KOPP	08-27-65	O	V	4.5	4	S	--	--	-
CF-EPA-161	LIBERTY	03-21-77	D	C	6	6	S	50	60	P
CF-EPA-166	--	--	-	-	--	--	-	--	--	-
CF-EPA-352	--	--	S	-	--	6	S	--	--	-
CF-EPA-351	--	--	S	-	--	6	S	--	--	-
CF-EPA-353	--	- -81	O	-	--	6	S	--	--	-
CF-EPA-354	--	- -80	O	-	--	6	S	--	--	-
CF-EPA-355	--	--	S	-	--	6	S	--	--	-
CF-EPA-167	C.K.C.	03-29-77	D	C	6	6	S	--	--	-
CF-EPA-168	--	--	-	-	--	--	-	--	--	-
CF-EPA-168	--	--	-	-	--	--	-	--	--	-
CF-EPA-173	OSBORNE	09-26-62	D	C	6	6	S	--	--	-
CF-EPA-172	JEROME	05-30-79	D	H	6	6.6	S	--	--	-
CF-EPA-182	JEROME	06-27-81	D	A	6	6	S	--	--	-
CF-EPA-183	--	--	-	-	--	--	-	--	--	-
CF-EPA-181	--	--	S	-	--	6	S	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-159	-	--	--	--	--	--	-	-
CF-EPA-169	P	9.0	121	9.9	100	2	D	D
CF-EPA-345	S	8.5	421	7.6	--	--	-	-
CF-EPA-346	-	--	--	--	--	--	-	-
CF-EPA-153	-	9.5	410	7.3	50	1	D	D
CF-EPA-348	S	--	--	--	--	--	-	-
CF-EPA-347	S	10.0	166	6.8	--	--	-	D
--	-	--	--	--	--	--	-	-
CF-EPA-350	-	--	--	--	--	--	-	-
CF-EPA-349	S	--	--	--	--	--	-	-
CF-EPA-162	-	8.5	420	7.3	--	--	-	-
CF-EPA-163	-	9.5	410	7.6	50	1	D	D
CF-EPA-165	-	--	--	--	--	--	-	-
CF-EPA-170	-	--	--	--	--	--	-	-
CF-EPA-171	-	--	--	--	--	--	-	-
CF-EPA-174	-	--	--	--	40	2	D	D
CF-EPA-164	-	--	--	--	--	--	-	-
CF-EPA-052	-	--	--	--	--	--	-	-
--	-	--	--	--	--	--	-	-
CF-EPA-156	S	10.0	420	8.0	--	--	-	-
CF-EPA-158	-	9.0	409	7.9	--	--	-	-
CF-EPA-157	-	--	--	--	--	--	-	-
CF-EPA-155	-	8.5	405	7.6	--	--	-	-
CF-EPA-160	-	--	--	--	--	--	-	-
CF-EPA-180	-	--	--	--	--	--	-	-
CF-EPA-161	-	9.0	415	7.6	100	6	D	D
CF-EPA-166	-	--	--	--	--	--	-	-
CF-EPA-352	S	--	--	--	--	--	-	-
CF-EPA-351	S	6.5	56	6.3	--	--	-	-
CF-EPA-353	S	7.5	72	6.3	--	--	-	-
CF-EPA-354	S	7.5	201	7.1	--	--	-	-
CF-EPA-355	S	--	--	--	--	--	-	-
CF-EPA-167	-	9.0	153	7.0	100	2	D	D
CF-EPA-168	-	--	--	--	--	--	-	-
CF-EPA-168	-	--	--	--	--	--	-	-
CF-EPA-173	-	--	--	--	21	2	D	D
CF-EPA-172	S	--	--	--	50	1	D	D
CF-EPA-182	S	--	--	--	40	1	D	D
CF-EPA-183	-	--	--	--	--	--	-	-
CF-EPA-181	S	11.5	430	7.4	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-179	12N18W12DABB01	464549	1134754	H	44	19.69	1.7	S	S	110ALVM
CF-EPA-191	12N18W12DACC01	464843	1134754	H	49	24	--	D	R	110ALVM
CF-EPA-184	12N18W12DADA01	464845	1134738	H	--	--	--	-	-	110ALVM
CF-EPA-185	12N18W12DADB01	464845	1134743	H	42	15	--	D	R	110ALVM
CF-EPA-186	12N18W12DADD01	464843	1134739	H	35	--	--	-	-	110ALVM
CF-EPA-187	12N18W12DADD02	464840	1134739	H	43	12	--	D	R	110ALVM
CF-EPA-178	12N18W12DBAA01	464852	1134756	H	--	19.32	1.2	S	S	110ALVM
CF-EPA-176	12N18W12DBBA01	464853	1134805	H	--	--	--	-	-	110ALVM
CF-EPA-177	12N18W12DBBA02	464852	1134801	H	37	20.96	1.0	S	S	110ALVM
CF-EPA-175	12N18W12DBBB01	464853	1134812	H	43	20.78	.6	S	S	110ALVM
CF-EPA-343	12N18W12DBDB01	464747	1134804	H	50	21.85	1.9	S	S	110ALVM
CF-EPA-189	12N18W12DDAB01	464838	1134743	H	42	12.74	1.2	S	S	110ALVM
CF-EPA-188	12N18W12DDBA01	464839	1134745	H	47	16	--	D	R	110ALVM
CF-EPA-190	12N18W12DDBA02	464840	1134745	H	50	12.99	1.8	S	S	110ALVM
CF-EPA-313	12N18W12DDD 01	464800	1134739	H	25	12.29	-1.7	S	S	110ALVM
CF-EPA-312	12N18W12DDDB01	464832	1134742	H	25	--	--	-	-	110ALVM
CF-EPA-702	13N17W16CDDD01	464734	1134438	H	53	34.60	1.3	S	T	110ALVM
CF-EPA-131	13N18W22CACD02	465150	1135144	H	--	34.02	-3.2	S	S	110ALVM
CF-EPA-118	13N18W22CDCC01	465151	1135148	H	70	31.36	1.2	S	S	110ALVM
CF-EPA-119	13N18W22CDCC02	465152	1135147	H	42	34.57	-5.7	S	S	110ALVM
CF-EPA-120	13N18W22CDCC03	465150	1135150	H	60	45	--	O	R	110ALVM
CF-EPA-104	13N18W22CDCD01	465150	1135146	H	--	38.77	1.6	S	S	110ALVM
CF-EPA-106	13N18W27BAAB01	465147	1135143	H	--	33.18	-6.8	S	S	110ALVM
CF-EPA-107	13N18W27BAAB02	465146	1135141	H	56	42.06	1.4	S	S	110ALVM
CF-EPA-113	13N18W27BAAB03	465148	1135142	H	60	--	--	-	-	110ALVM
CF-EPA-108	13N18W27BAAC01	465145	1135142	H	56	32	--	R	-	110ALVM
CF-EPA-109	13N18W27BAAC02	465144	1135140	H	67	31	--	D	R	110ALVM
CF-EPA-110	13N18W27BAAC03	465144	1135142	H	70	34	--	D	R	110ALVM
CF-EPA-111	13N18W27BAAC04	465145	1135140	H	68	37.06	-4.4	S	S	110ALVM
CF-EPA-114	13N18W27BAAC05	465145	1135138	H	136	--	--	-	-	110ALVM
CF-EPA-125	13N18W27BAAC06	465143	1135143	H	--	--	--	-	-	110ALVM
CF-EPA-117	13N18W27BAAD01	465144	1135139	H	60	--	--	-	-	110ALVM
CF-EPA-105	13N18W27BABA01	465148	1135144	H	55	33.28	-6.8	S	S	110ALVM
CF-EPA-112	13N18W27BABA02	465148	1135145	H	--	--	--	-	-	110ALVM
CF-EPA-102	13N18W27BABB01	465148	1135148	H	65	31.5	--	D	R	110ALVM
CF-EPA-101	13N18W27BABB02	465147	1135147	H	60	--	--	-	-	110ALVM
CF-EPA-103	13N18W27BABB03	465148	1135149	H	74	32.60	1.7	S	S	110ALVM
CF-EPA-132	13N18W27BABB04	465142	1135142	H	51	26	--	R	R	110ALVM
CF-EPA-123	13N18W27BABD01	465145	1135145	H	62	30.9	--	D	-	110ALVM
CF-EPA-115	13N18W27BADA01	465142	1135139	H	68	33.05	-7.8	S	S	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-179	CAMP	04-30-71	O	C	6	6	S	--	--	-
CF-EPA-191	C.K.C.	09-21-77	D	C	6	6	S	--	--	-
CF-EPA-184	--	--	-	-	--	--	-	--	--	-
CF-EPA-185	CAMP	07-16-71	O	C	6	6	S	--	--	-
CF-EPA-186	--	--	-	-	--	--	-	--	--	-
CF-EPA-187	CAMP	03-05-71	O	C	6	6	S	--	--	-
CF-EPA-178	--	- -71	O	-	--	6	S	--	--	-
CF-EPA-176	--	--	-	-	--	--	-	--	--	-
CF-EPA-177	RAVALLI	10-09-73	O	C	6	6	S	27	37	P
CF-EPA-175	WILLIAMS	02-14-68	D	C	6	6	S	--	--	-
CF-EPA-343	JEROME&OKEEF	07-28-78	D	H	6	6	S	--	--	-
CF-EPA-189	PICKENS	07-11-72	D	C	6	5	S	--	--	-
CF-EPA-188	C.K.C.	09-19-73	D	C	6	6	S	--	--	-
CF-EPA-190	JEROME	10-24-86	D	A	6	6	S	--	--	-
CF-EPA-313	CONNELY	- -72	-	-	--	4.00	S	--	--	-
CF-EPA-312	CONNELY	- -60	-	-	--	4	S	--	--	-
CF-EPA-702	MISSION ORLG	03-02-74	D	C	6	6	S	--	--	-
CF-EPA-131	--	--	S	-	--	--	-	--	--	-
CF-EPA-118	JEROME	06- -86	O	A	--	6	-	--	--	-
CF-EPA-119	--	- -02	-	D	--	24	-	--	--	-
CF-EPA-120	--	- -15	O	-	--	6	-	--	--	-
CF-EPA-104	--	--	S	-	--	6	-	--	--	-
CF-EPA-106	--	--	S	-	--	6	-	--	--	-
CF-EPA-107	--	--	O	-	--	6	S	--	--	-
CF-EPA-113	--	--	-	-	--	--	-	--	--	-
CF-EPA-108	PICKENS	06- -62	-	-	--	--	-	--	--	-
CF-EPA-109	CAMP	06-04-59	O	C	5	5	S	--	--	-
CF-EPA-110	CAMP	08-05-64	-	C	6	6.2	S	--	--	-
CF-EPA-111	MOWBRAG	04-14-43	D	C	--	4	S	--	--	-
CF-EPA-114	CAMP	- -79	-	-	--	6	-	--	--	-
CF-EPA-125	--	--	-	-	--	--	-	--	--	-
CF-EPA-117	--	- -42	O	C	--	--	-	--	--	-
CF-EPA-105	CAMP	04-02-64	D	C	6	5.5	S	--	--	-
CF-EPA-112	--	--	-	-	--	--	-	--	--	-
CF-EPA-102	LIBERY	10-12-66	O	C	6	6	S	--	--	-
CF-EPA-101	--	--	-	-	--	--	-	--	--	-
CF-EPA-103	CAMP	08-10-73	D	H	6	5.5	S	--	--	-
CF-EPA-132	CAMP	04-20-27	D	C	6	6	S	--	--	-
CF-EPA-123	MOWBRAY	08-30-50	-	H	--	4	-	--	--	-
CF-EPA-115	--	- -35	S	-	--	6	-	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-179	-	9.5	420	7.6	100	1.5	D	D
CF-EPA-191	-	--	--	--	75	1	D	D
CF-EPA-184	-	--	--	--	--	--	-	-
CF-EPA-185	-	--	--	--	100	1	D	D
CF-EPA-186	-	--	--	--	--	--	-	-
CF-EPA-187	-	--	--	--	75	1	D	D
CF-EPA-178	-	9	415	7.3	--	--	-	-
CF-EPA-176	-	--	--	--	--	--	-	-
CF-EPA-177	-	--	--	--	20	2	D	D
CF-EPA-175	-	10.0	410	7.8	40	10	D	D
CF-EPA-343	S	9.0	412	7.4	--	--	-	D
CF-EPA-189	-	9.0	430	7.5	40	3	D	D
CF-EPA-188	-	--	--	--	90	2	D	D
CF-EPA-190	-	--	--	--	50	3	D	D
CF-EPA-313	J	8.5	421	7.3	--	--	-	-
CF-EPA-312	C	7.5	433	7.2	--	--	-	-
CF-EPA-702	S	11	89	6.9	30	2	D	D
CF-EPA-131	C	--	--	--	--	--	-	-
CF-EPA-118	S	10	365	8.1	--	--	-	-
CF-EPA-119	-	--	--	--	--	--	-	-
CF-EPA-120	-	--	--	--	--	--	-	-
CF-EPA-104	S	10.0	370	8.1	--	--	-	-
CF-EPA-106	-	10.0	365	7.8	--	--	-	-
CF-EPA-107	S	--	--	--	--	--	-	D
CF-EPA-113	-	--	--	--	--	--	-	-
CF-EPA-108	-	--	--	--	--	--	-	-
CF-EPA-109	-	10.5	360	7.7	35	1	D	D
CF-EPA-110	-	--	--	--	15	.8	D	D
CF-EPA-111	C	11	370	7.8	--	--	-	D
CF-EPA-114	-	--	--	--	--	--	-	-
CF-EPA-125	-	--	--	--	--	--	-	-
CF-EPA-117	-	--	--	--	--	--	-	-
CF-EPA-105	S	11.0	330	8.2	20	1.5	D	D
CF-EPA-112	-	--	--	--	--	--	-	-
CF-EPA-102	-	13.5	365	7.8	100	1.5	D	D
CF-EPA-101	-	11.0	370	7.8	--	--	-	-
CF-EPA-103	S	11.5	430	8.1	100	2	D	D
CF-EPA-132	-	--	--	--	20	1.5	D	D
CF-EPA-123	-	--	--	--	--	--	-	-
CF-EPA-115	-	11	360	8.0	--	--	-	-

OTHER IDENTIFIER	LOCAL NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	PRIMARY USE OF WATER	DEPTH OF WELL (FEET)	WATER LEVEL (FEET)	HEIGHT OF THIS MEASURING POINT (FEET)	WATER-LEVEL SOURCE	METHOD WATER LEVEL MEASURED	GEOLOGIC UNIT
CF-EPA-116	13N18W27BADB01	465143	1135141	H	81	32.20	-5.9	S	S	110ALVM
CF-EPA-121	13N18W27BADB02	465143	1135140	H	--	--	--	-	-	110ALVM
CF-EPA-122	13N18W27BADB03	465142	1135140	H	55	32	--	D	R	110ALVM
CF-EPA-124	13N18W27BADB04	465142	1135143	H	68	30.70	-5.6	S	S	110ALVM
CF-EPA-127	13N18W27BDBD01	465132	1135144	H	61	14.55	1.6	S	S	110ALVM
CF-EPA-126	13N18W27BDCA01	465127	1135144	H	53	15.62	1.4	S	S	110ALVM
CF-EPA-128	13N18W27BDCD01	465125	1135144	H	51	15	--	D	R	110ALVM
CF-EPA-129	13N18W27BDDC01	465127	1135142	H	--	--	--	-	-	110ALVM
CF-EPA-130	13N18W27CAAB01	465123	1135138	H	57	19	--	D	R	110ALVM
CF-EPA-133	13N18W27DBCA01	465115	1135125	H	--	13.60	-2.4	S	S	110ALVM
CF-EPA-135	13N18W27DCAA01	465108	1135117	U	77	30	--	R	R	110ALVM
CF-EPA-134	13N18W27DCAB01	465109	1135120	H	51	17.5	--	D	R	110ALVM
CF-EPA-136	13N18W27DDBC01	465106	1135113	H	58	17.41	2.0	S	S	110ALVM
CF-EPA-138	13N18W27DDCA01	465101	1135107	H	60	15	--	D	R	110ALVM
CF-EPA-139	13N18W27DDCA02	465102	1135109	H	40	19.59	-5.8	S	S	110ALVM
CF-EPA-137	13N18W27DDCB01	465103	1135111	H	--	--	--	-	-	110ALVM
CF-EPA-140	13N18W27DDCD01	465101	1135106	H	32	15	--	D	R	110ALVM
CF-EPA-141	13N18W27DDCD02	465058	1135104	H	27	15.57	-5.5	S	S	110ALVM
CF-EPA-145	13N18W34AAAB01	465057	1135102	H	50	9	--	D	R	110ALVM
CF-EPA-146	13N18W34AAAB02	465053	1135100	H	--	--	--	-	-	110ALVM
CF-EPA-142	13N18W34AABA01	465057	1135106	I	27	6.32	1.5	S	S	110ALVM
CF-EPA-143	13N18W34AABC01	465053	1135113	H	40	6.4	.9	S	S	110ALVM
CF-EPA-144	13N18W34AABC02	465058	1135112	H	--	5.73	1.9	S	S	110ALVM
CF-EPA-147	13N18W34AADA01	465049	1135057	H	58	17	--	D	R	110ALVM
CF-EPA-148	13N18W35BBCB01	465047	1135052	H	--	7.88	.0	S	S	110ALVM
CF-EPA-149	13N18W35BDCA01	465035	1135031	H	82	25.12	.9	S	S	110ALVM
CF-EPA-150	13N18W35CAAA01	465027	1135017	H	40	30	--	D	R	110ALVM
CF-EPA-344	13N18W35CCDC01	465006	1135045	P	300	10.38	1.5	S	S	110ALVM
CF-EPA-151	13N18W35DDDD01	465004	1134943	H	39	11.06	5.6	S	S	110ALVM
CF-EPA-152	13N18W35DDDD02	465004	1134940	H	37	9.68	--	S	S	110ALVM

OTHER IDENTIFIER	CONTRACTOR	DATE OF CONSTRUCTION	SOURCE OF CONSTRUCTION DATA	METHOD CONST-RUCTED	DIAMETER OF INTERVAL (IN)	DIAMETER OF CASING (IN)	CASING MATERIAL	TOP OF OPEN INTERVAL (FEET)	BOTTOM OF OPEN INTERVAL (FEET)	TYPE OF OPENINGS
CF-EPA-116	MULBERRY	- -42	-	C	--	4	-	--	--	-
CF-EPA-121	--	--	-	-	--	--	-	--	--	-
CF-EPA-122	CAMP	04-02-64	D	-	6	6	S	--	--	-
CF-EPA-124	--	--	S	-	--	4	-	--	--	-
CF-EPA-127	C. K. C.	03-26-77	D	C	6	6	S	--	--	-
CF-EPA-126	C. K. C.	03-25-87	D	C	6	6	-	--	--	-
CF-EPA-128	CAMP	08-14-62	-	C	5	5	S	--	--	-
CF-EPA-129	--	--	-	-	--	--	-	--	--	-
CF-EPA-130	CAMP	09-19-62	D	C	5	5	S	--	--	-
CF-EPA-133	--	--	S	-	--	5.5	-	--	--	-
CF-EPA-135	FARRELL	07-03-59	-	-	5	5	S	--	--	-
CF-EPA-134	C. K. C.	03-09-70	D	C	6	6	S	--	--	-
CF-EPA-136	JEROME	05- -83	-	-	--	6	S	--	--	-
CF-EPA-138	JEROME	03-12-87	D	A	6	6	S	--	--	-
CF-EPA-139	--	--	S	-	--	4	-	--	--	-
CF-EPA-137	ERICKSON	- -66	O	-	--	--	-	--	--	-
CF-EPA-140	--	--	-	-	--	--	-	--	--	-
CF-EPA-141	BEEBE	04-24-66	D	C	6	6	S	--	--	-
CF-EPA-145	PICKENS	07-29-78	D	C	6	6	S	--	--	-
CF-EPA-146	--	--	-	-	--	--	-	--	--	-
CF-EPA-142	--	--	S	-	--	5	-	--	--	-
CF-EPA-143	JEROME	02-07-78	D	-	6	6.6	-	--	--	-
CF-EPA-144	--	--	S	-	--	6	S	--	--	-
CF-EPA-147	CAMP	09-15-76	D	H	6	6	S	--	--	-
CF-EPA-148	--	--	S	-	--	5	-	--	--	-
CF-EPA-149	CAMP	- -61	-	-	--	6	-	--	--	-
CF-EPA-150	LIBERTY	08-03-60	D	-	--	7	S	--	--	-
CF-EPA-344	CAMP	- -82	O	-	--	6	S	30	--	P
CF-EPA-151	OKEEFE	11-02-62	D	C	6	6	S	35	39	P
CF-EPA-152	--	- -65	O	-	--	6	S	--	--	-

OTHER IDENTIFIER	TYPE OF LIFT	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	DISCHARGE (GAL/MIN)	PUMPING PERIOD (HOURS)	SOURCE OF DISCHARGE DATA	TYPE OF LOG AVAILABLE
CF-EPA-116	C	10.0	360	7.9	--	--	-	-
CF-EPA-121	-	10.5	370	8.1	--	--	-	-
CF-EPA-122	-	--	--	--	20	1.5	D	D
CF-EPA-124	S	10.0	370	8.1	--	--	-	-
CF-EPA-127	S	--	--	--	100	3	D	D
CF-EPA-126	S	--	--	--	100	10	D	D
CF-EPA-128	-	11	405	7.7	25	2	D	D
CF-EPA-129	-	--	--	--	--	--	-	-
CF-EPA-130	-	--	--	--	50	1	D	D
CF-EPA-133	-	10.5	425	7.8	--	--	-	-
CF-EPA-135	-	--	--	--	15	1	D	D
CF-EPA-134	-	--	--	--	75	2	D	D
CF-EPA-136	S	10.0	410	7.8	--	--	-	-
CF-EPA-138	S	--	--	--	50	3	D	D
CF-EPA-139	-	10.0	370	7.8	--	--	-	-
CF-EPA-137	-	--	--	--	--	--	-	-
CF-EPA-140	-	--	--	--	--	--	-	-
CF-EPA-141	-	--	--	--	--	--	-	D
CF-EPA-145	-	--	--	--	80	2	D	D
CF-EPA-146	-	--	--	--	--	--	-	-
CF-EPA-142	-	9.0	385	7.6	--	--	-	-
CF-EPA-143	-	10.0	410	7.5	30	1	D	D
CF-EPA-144	-	--	--	--	--	--	-	-
CF-EPA-147	-	--	--	--	75	1	D	D
CF-EPA-148	-	--	--	--	--	--	-	-
CF-EPA-149	-	11.0	400	7.7	--	--	-	-
CF-EPA-150	J	--	--	--	20	--	D	-
CF-EPA-344	S	9.0	271	8.0	--	--	-	-
CF-EPA-151	-	10	420	7.4	--	--	-	D
CF-EPA-152	-	--	--	--	--	--	-	-

APPENDIX B

GROUNDWATER QUALITY DATA - DOMESTIC WELLS

CLARK FORK RIVER SCREENING STUDY

APPENDIX B: CLARK FORK RIVER DOMESTIC WELL WATER QUALITY DATA

07/06/88

PHYSICAL PARAMETERS

STATION	DESCRIPTION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	LAB NUMBER	SAMPLING METHOD	Static Water Level (FT)	Water Temperature (C)	Field pH	Field Eh (mV)	Specific Conductance (u mhos/cm)	Dissolved Oxygen (mg/L)
DW-015		N	06-22-87	1700	8-60060 to 062	Pumped	2.66	7.0	6.9		284	5.10
DW-015		R	06-22-87	1730	8-60063 to 065	Pumped		9.0	6.8		273	4.9
DW-015		CC8	06-22-87	1800	8-60066 to 068	Pumped		18.0	7.2		5.5	
DW-015		BB	06-22-87	1815	8-60069 to 071	Pumped						
DW-015		8FS	06-22-87	1830	8-60072 to 075	Pumped						
DW-018		N	06-23-87	1415	8-60104 to 106	Pumped	18.10	11.5	7.5		679	7.4
DW-021		N	06-23-87	1700	8-60119 to 121	Pumped		14.0	7.0		376	4.8
DW-047		N	06-23-87	0930	8-60182 to 184	Pumped	5.36	10.0	7.2		562	4.2
DW-048		N	06-23-87	1040	8-60185 to 187	Pumped		9.0	7.2		566	8.0
DW-054		N	06-23-87	1420	8-60205 to 207	Pumped	6.67	9.0	7.1			4.7
DW-058		N	07-15-87	0955	8-61466 to 468	Pumped	8.55	8.5	7.5		430	
DW-103		N	07-13-87	1410	8-61401 to 403	Pumped	34.9	10.0	7.6		336	7.0
DW-128		N	07-14-87	0915	8-61429 to 431	Pumped		10.5	7.5		374	5.1
DW-143		N	07-13-87	1550	8-61404 to 406	Pumped	7.40	10.5	7.4		365	3.3
DW-143		CCB	07-13-87	1600	8-61407 to 409	Pumped		18.0	7.1		0	5.7
DW-143		R	07-13-87	1615	8-61410 to 412	Pumped		12.5	7.6		374	3.1
DW-143		B8	07-13-87	1640	8-61413 to 415	Pumped						
DW-143		8FS	07-13-87	1700	8-61416 to 419	Pumped						
DW-152		N	07-13-87	1725	8-61420 to 422	Pumped	4.40	11.5	7.3		342	4.8
DW-155		N	07-14-87	0945	8-61432 to 434	Pumped	7.60	11.0	7.2		375	
DW-181		N	07-14-87	1030	8-61435 to 437	Pumped	9.80	12.5	7.3		374	4.8
DW-181		8B	07-14-87	1040	8-61438 to 440	Pumped						
DW-181		R	07-14-87	1100	8-61441 to 443	Pumped		11.0	7.3		381	4.4
DW-181		BFS	07-14-87	1120	8-61444 to 447	Pumped						
DW-181		CCB	07-14-87	1145	8-61448 to 450	Pumped		15.0	6.6		0	7.1
DW-201		N	06-23-87	1615	8-60214 to 216	Pumped	4.94	9.0	7.1		691	4.6
DW-207		8B	06-24-87	0930	8-60229 to 231	Pumped						
DW-207		8FS	06-24-87	0950	8-60232 to 235	Pumped						
Dw-207		N	06-24-87	1020	8-60236 to 238	Pumped		7.5	7.3		519	4.3
DW-209		N	06-23-87	1540	8-60211 to 213	Pumped	9.25	9.5	7.1		644	4.2
DW-215		N	06-23-87	1140	8-60188 to 190	Pumped	3.14	9.0	7.2		788	4.3
DW-215		R	06-23-87	1150	8-60191 to 193	Pumped		9.0	7.2		755	4.0
Dw-215		BB	06-23-87	1210	8-60194 to 196	Pumped						

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, 8FS = blind field standard, WB = water blank, B8 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: CLARK FORK RIVER DOMESTIC WELL WATER QUALITY DATA

07/06/88

PHYSICAL PARAMETERS

STATION	DESCRIPTION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	LAB NUMBER	SAMPLING METHOD	Static Water Level (FT)	Water Temperature (C)	Field pH	Field Eh (mV)	Specific Conductance (u mhos/cm)	Dissolved Oxygen (mg/L)
DW-215		CCB	06-23-87	1220	8-60197, 98, 200	Pumped		17.0	6.1		0	9.0
DW-215		BFS	06-23-87	1230	8-60201 to 204	Pumped						
DW-217		N	06-23-87	1500	8-60208 to 210	Pumped		12.0	7.0		491	9.8
DW-300		N	07-14-87	1420	8-61338 to 340	Pumped	6.05	9.5	7.5		388	0.1
DW-309		N	07-14-87	1430	8-61354 to 356	Pumped	10.2	12.0	7.5		402	6.3
DW-317		N	07-14-87	1330	8-61351 to 353	Pumped	9.0	16.0	7.5		374	3.5
DW-328		N	07-15-87	1030	8-61378 to 380	Pumped	9.10	10.5	7.8		327	4.7
DW-331		N	07-15-87	1140	8-61381 to 383	Pumped	13.80	10.0	7.0		157	5.5
DW-331		R	07-15-87	1200	8-61384 to 386	Pumped		11.5	7.1		160	4.4
DW-331		CCB	07-15-87	1220	8-61387 to 389	Pumped		15.0	6.0		0	6.4
DW-331		BFS	07-15-87	1245	8-61390 to 393	Pumped						
DW-339		N	07-13-87	1510	8-61304 to 306	Pumped	6.08	10.0	7.6		488	1.7
DW-341		N	07-13-87	1645	8-61307 to 309	Pumped	6.41	10.0	7.2		500	2.0
DW-345		N	07-13-87	1810	8-61423 to 425	Pumped		10.5	7.4		385	4.8
DW-353		N	07-13-87	1850	8-61426 to 428	Pumped	22.0	8.5	5.6		95	6.9
DW-356		N	07-13-87	1605	8-61310 to 312	Pumped		10.0	6.8		541	1.7
DW-361		N	07-13-87	1815	8-61313 to 315	Pumped	9.50	10.5	7.2		447	6.8
DW-361		R	07-13-87	1820	8-61316 to 318	Pumped		12.0	7.3		445	6.9
DW-361		BFS	07-13-87	1830	8-61319 to 322	Pumped						
DW-361		CCB	07-13-87	1900	8-61323 to 325	Pumped						
DW-361		BB	07-14-87	0930	8-61326 to 328	Pumped						
DW-363		N	07-14-87	1830	8-61369 to 371	Pumped	7.10	12.5	7.5		332	4.2
DW-366		N	07-14-87	1745	8-61457 to 459	Pumped	2.72	17.0	6.9		177	8.1
DW-372		N	07-14-87	1500	8-61341 to 343	Pumped	8.62	8.5	7.3		485	1.4
DW-372		R	07-14-87	1515	8-61344 to 346	Pumped		11.0	7.4		483	1.4
DW-372		BB	07-14-87	1535	8-51347 to 349	Pumped						
DW-372		BFS	07-14-87	1550	8-61350, 451-53	Pumped						
DW-372		CCB	07-14-87	1600	8-61454 to 456	Pumped		26.0	6.9		2	5.4
DW-378		N	07-15-87	1105	8-61469 to 471	Pumped		10.0	7.3		1200	0.35
DW-383		N	07-14-87	1130	8-61332 to 334	Pumped	64.20	10.5	6.9		552	
DW-390		N	07-14-87	1030	8-61329 to 331	Pumped	7.69	11.0	7.3		534	8.8
DW-395		N	07-14-87	1930	8-6143 TO 465	Pumped		8.5	7.0		455	2.5
DW-396		N	07-14-87	1840	8-61460 to 462	Pumped		12.5	7.1		847	0.01

NOTES:
1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: CLARK FORK RIVER DOMESTIC WELL WATER QUALITY DATA

07/06/88

PHYSICAL PARAMETERS

STATION	DESCRIPTION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	LAB NUMBER	SAMPLING METHOD	Static Water Level (FT)	Water Temperature (C)	Field pH	Field Eh (mV)	Specific Conductance (u mhos/cm)	Dissolved Oxygen (mg/L)
DW-398		N	07-13-87	1330	B-61301 to 303	Pumped		12.5	7.6		404	3.9
DW-402		N	07-14-87	1300	B-61335 to 337	Pumped	13.34	12.0	7.1		956	0.8
DW-501		N	06-22-87	1400	B-60051 to 053	Pumped	41.38	12.5	8.1		268	4.6
DW-509		N	06-23-87	0900	B-60076 to 078	Pumped	11.25	9.0	7.5		253	6.8
DW-515		N	06-22-87	1630	B-60057 to 059	Pumped	7.90	8.5	7.7		373	5.30
DW-522		N	06-23-87	1215	B-60098 to 100	Pumped		11.0	7.4		504	7.5
DW-531		N	06-23-87	1145	B-60095 to 097	Pumped		11.0	6.8		607	6.4
DW-532		N	06-24-87	1155	B-60242 to 244	Pumped	22.55	12.0	7.7		287	8.9
DW-537		N	06-24-87	1235	B-60245 to 247	Pumped	18.28	11.0	7.1		232	7.1
DW-537		R	06-24-87	1245	B-60248 to 250	Pumped		11.0	7.1		228	7.1
DW-537		CCB	06-24-87	1310	B-60122 to 124	Pumped		19.0	7.0		3	6.0
DW-559		N	06-24-87	1345	B-60125 to 127	Pumped	11.34	11.0	6.5		255	7.8
DW-568		N	06-24-87	1420	B-60128 to 130	Pumped	8.01	9.5	7.2		560	6.4
DW-571		N	06-23-87	1545	B-60113 to 115	Pumped	8.12	9.5	7.4		581	7.8
DW-573		N	06-23-87	1615	B-60116 to 118	Pumped	6.69	11.0	7.6		443	6.5
DW-575		N	06-23-87	1445	B-60107 to 109	Pumped	14.00	11.0	7.3		636	6.8
DW-579		N	06-23-87	1300	B-60101 to 103	Pumped	25.63	14.0	7.2		543	8.2
DW-584		N	06-24-87	1105	B-60239 to 241	Pumped	42.69	10.0	7.2		390	8.1
DW-588		N	06-22-87	1530	B-60157 to 159	Pumped		11.0	7.1		630	7.5
DW-589		N	06-22-87	1600	B-60160 to 162	Pumped	25.82	9.5	6.6		1630	3.5
DW-592		N	06-22-87	1700	B-60163 to 165	Pumped		9.0	7.3		664	3.2
DW-595		N	06-22-87	1745	B-60166 to 168	Pumped	68.06	11.0	7.2		729	2.7
DW-595		R	06-22-87	1800	B-60169 to 171	Pumped		11.0	7.2		761	3.5
DW-595		BB	06-22-87	1815	B-60172 to 174	Pumped						
DW-595		CCB	06-22-87	1840	B-60175 to 177	Pumped		18.0	6.1		0	7.4
DW-595		BFS	06-22-87	1900	B-60178 to 181	Pumped						
DW-599		N	06-23-87	1650	B-60217 to 219	Pumped		12.0	7.3		768	4.4
DW-605		N	06-23-87	1815	B-60223 to 225	Pumped	8.91	10.0	6.9		217	7.1
DW-607		N	06-23-87	1745	B-60220 to 222	Pumped	10.33	8.0	7.3		250	9.8
DW-613		N	06-24-87	0845	B-60226 to 228	Pumped	15.96	9.5	6.8		389	5.3
DW-622		N	06-22-87	1530	B-60054 to 056	Pumped		10.5	8.1		216	4.0
DW-630		N	06-22-87	1450	B-60154 to 156	Pumped		10.5	7.2		591	5.6
DW-631		N	06-22-87	1345	B-60151 to 153	Pumped	11.58	10.5	6.8		340	6.4

NOTES:
1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: CLARK FORK RIVER DOMESTIC WELL WATER QUALITY DATA

07/06/88

PHYSICAL PARAMETERS

STATION	DESCRIPTION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	LAB NUMBER	SAMPLING METHOD	Static Water Level (FT)	Water Temperature (C)	Field pH	Field Eh (mV)	Specific Conductance (u mhos/cm)	Dissolved Oxygen (mg/L)
DW-637		N	06-23-87	1000	B-60079 to 081	Pumped	19.46	9.5	7.3		216	5.9
DW-637		R	06-23-87	1030	B-600B2 to 084	Pumped		9.5	7.3		251	5.7
DW-637		CCB	06-23-87	1100	B-600B5 to 087	Pumped		17.0	8.0		2	
DW-637		BB	06-23-87	1115	B-600BB to 090	Pumped						
DW-637		BFS	06-23-87	1130	B-60091 to 094	Pumped						
DW-641		N	06-23-87	1515	B-60110 to 112	Pumped	5.18	10.0	7.4		605	7.9
DW-707		N	07-14-87	1525	B-61357 to 359	Pumped		12.5	7.6		375	6.8
DW-710		N	07-14-87	1620	B-61360 to 362	Pumped	9.60	12.0	7.7		326	3.6
DW-736		N	07-14-87	1655	B-61363 to 365	Pumped		12.0	6.8		332	4.4
DW-742		N	07-14-87	1730	B-61366 to 368	Pumped	7.90	11.0	7.0		326	5.6
DW-757		N	07-15-87	0900	B-61372 to 374	Pumped	8.70	10.0	7.8		334	4.3
DW-763		N	07-15-87	0945	B-61375 to 377	Pumped	53.9	8.5	7.3		290	6.0
DW-800		N	07-15-87	1435	B-61394 to 396	Pumped	7.10	11.0	7.7		501	2.3
DW-800		BB	07-15-87	1450	B-61397 to 399	Pumped						
DW-814		N	07-15-87	1510	B-61491 to 493	Pumped	17.90	10.0	7.2		719	3.0
DW-816		N	07-15-87	1140	B-61472 to 474	Pumped	18.75	12.5	7.0		1030	2.7
DW-826		N	07-15-87	1310	B-61475 to 477	Pumped	30.04	11.5	6.8		544	0.5
DW-826		R	07-15-87	1320	B-6147B to 480	Pumped		12.0	6.8		578	0.6
DW-826		BB	07-15-87	1335	B-614B1 to 483	Pumped						
DW-826		CCB	07-15-87	1355	B-614B4 to 486	Pumped		20.5	6.5		4.3	
DW-826		BFS	07-15-87	1420	B-614B7 to 490	Pumped						
DW-832		N	07-15-87	1525	B-60133 to 135	Pumped	8.0	12.0	7.2		708	5.3

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

METALS DATA:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Arsenic Dissolved	Arsenic Total	Cadmium Dissolved	Cadmium Total	Copper Dissolved	Copper Total	Iron Dissolved	Iron Total
DW-015	N	06-22-87	1700		1 U		5 U		20 B		230
DW-015	R	06-22-87	1730		1 U		5 U		10 B		30 B
DW-015	CC8	06-22-87	1800		1 U		5 U		10 8		20 U
DW-015	B8	06-22-87	1815		1 U		5 U		20 8		20 U
DW-015	8FS	06-22-87	1830		55		137		260		230
DW-01B	N	06-23-87	1415		3 B		5 U		10 B		70 8
DW-021	N	06-23-87	1700		5 8		5 U		40		490
DW-047	N	06-23-87	0930		2 8		5 U		10		20 U
DW-048	N	06-23-87	1040		1 B		5 U		20 8		20 U
DW-054	N	06-23-87	1420		3 B		5 U		10 U		410
DW-058	N	07-15-87	0955		4 8		5 U		10 U		20 U
DW-103	N	07-13-87	1410		1 U		5 U		10 U		20 U
DW-12B	N	07-14-87	0915		1 8		5 U		10 B		20 U
DW-143	N	07-13-87	1550		2 8		5 U		10 U		20 U
DW-143	CCB	07-13-87	1600		1 U		5 U		10 B		20 U
DW-143	R	07-13-87	1615		2 8		5 U		50		20 8
DW-143	8B	07-13-87	1640		1 U		5 U		10 U		20 U
DW-143	8FS	07-13-87	1700		49		140		210		220
DW-152	N	07-13-87	1725		1 8		5 U		30		20 U
DW-155	N	07-14-87	0945		1 B		5 U		10 U		50 8
DW-181	N	07-14-87	1030		1 B		5 U		10 U		160
DW-181	B8	07-14-87	1040		1 U		5 U		10 U		20 U
DW-181	R	07-14-87	1100		1 B		5 U		10 B		30 B
DW-181	BFS	07-14-87	1120		47		142		230		240
DW-181	CCB	07-14-87	1145		1 U		5 U		10 U		20 U
DW-201	N	06-23-87	1615		15		5		10 U		4900
DW-207	BB	06-24-87	0930		1 U		5 U		10 U		20 U
DW-207	8FS	06-24-87	0950		62		174		2B0		300
Dw-207	N	06-24-87	1020		2 8		5 U		10 B		420
DW-209	N	06-23-87	1540		1 8		5 U		10 U		330
DW-215	N	06-23-87	1140		5 8		5 U		10 U		20 B
DW-215	R	06-23-87	1150		5 8		5 U		10 U		20 8
Dw-215	B8	06-23-87	1210		1 U		5 U		10 U		20 U

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection limit, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/88

METALS DATA:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Arsenic Dissolved	Arsenic Total	Cadmium Dissolved	Cadmium Total	Copper Dissolved	Copper Total	Iron Dissolved	Iron Total
DW-215	CCB	06-23-87	1220		1 U		7		10 U		20 B
DW-215	BFS	06-23-87	1230		55		149		230		240
DW-217	N	06-23-87	1500		3 B		5 U		10 U		80 B
DW-300	N	07-14-87	1420		2 B		5 U		10 U		160
DW-309	N	07-14-87	1430		2 B		5 U		10 U		20 U
DW-317	N	07-14-87	1330		2 B		5 U		10 U		50 B
DW-32B	N	07-15-87	1030		4 B		5 U		10 B		50 B
DW-331	N	07-15-87	1140		1 U		5 U		10 U		460
DW-331	R	07-15-87	1200		1 U		5 U		10 U		40 B
DW-331	CCB	07-15-87	1220		1 U		5 U		10 U		20 U
DW-331	BFS	07-15-87	1245		56		126		250		230
DW-339	N	07-13-87	1510		3 B		5		10 U		120
DW-341	N	07-13-87	1645		2 B		5 U		10		130
DW-345	N	07-13-87	1810		1 U		5 U		10 U		20 U
DW-353	N	07-13-87	1850		1 U		5 U		10 U		80 B
DW-356	N	07-13-87	1605		2 B		5 U		10 U		20 U
DW-361	N	07-13-87	1815		4 B		5 U		10 U		20 B
DW-361	R	07-13-87	1820		4 B		5 U		10 B		40 B
DW-361	BFS	07-13-87	1830		55		130		210		210
DW-361	CCB	07-13-87	1900		1 U		5 U		10 B		20 U
DW-361	BB	07-14-87	0930		1 U		5 U		10 U		20 U
DW-363	N	07-14-87	1830		7 B		5 U		10 U		20 B
DW-366	N	07-14-87	1745		1 B		5 U		10 U		150
DW-372	N	07-14-87	1500		2 B		5 U		10 B		20 U
DW-372	R	07-14-87	1515		2 B		5 U		10 U		20
DW-372	BB	07-14-87	1535		1 U		5 U		10 B		20 U
DW-372	BFS	07-14-87	1550		53		133		210		220
DW-372	CCB	07-14-87	1600		1 U		5 U		10 U		20 U
DW-37B	N	07-15-87	1105		12		5 U		20 B		230
DW-3B3	N	07-14-87	1130		1 B		6		10 U		290
DW-390	N	07-14-87	1030		2 B		5 U		10 U		20 U
DW-395	N	07-14-87	1930		7 B		5 U		10 U		110
DW-396	N	07-14-87	1840		6 B		5 U		10 U		470

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection limit, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/88

METALS DATA:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Arsenic Dissolved	Arsenic Total	Cadmium Dissolved	Cadmium Total	Copper Dissolved	Copper Total	Iron Dissolved	Iron Total
DW-39B	N	07-13-87	1330		3 B		5 U		10 B		20 U
DW-402	N	07-14-87	1300		6 B		5 U		10 B		5100
DW-501	N	06-22-87	1400		1 B		5 U		20 B		30 B
DW-509	N	06-23-87	0900		1 U		5 U		10 B		20 B
DW-515	N	06-22-87	1630		1 U		5 U		10 B		20 U
DW-522	N	06-23-87	1215		13		5 U		30		20 U
DW-531	N	06-23-87	1145		3 B		5 U		10 B		60 B
DW-532	N	06-24-87	1155		2 B		5 U		10 B		30 B
DW-537	N	06-24-87	1235		4 B		5 U		10 U		40 B
DW-537	R	06-24-87	1245		4 B		5 U		10 U		40 B
DW-537	CCB	06-24-87	1310		1 U		5 U		20 B		20 U
DW-559	N	06-24-87	1345		4 B		5 U		100		50 B
DW-56B	N	06-24-87	1420		2 B		9		10 B		70 B
DW-571	N	06-23-87	1545		42		5 U		10 B		20 U
DW-573	N	06-23-87	1615		2 B		5 U		10 U		20 U
DW-575	N	06-23-87	1445		3 B		5 U		10 B		20 B
DW-579	N	06-23-87	1300		6 B		5 U		30		30 B
DW-5B4	N	06-24-87	1105		2 B		5		10 B		20 U
DW-58B	N	06-22-87	1530		7 B		5 U		10 U		20 U
DW-5B9	N	06-22-87	1600		4 B		6		10 B		20 U
DW-592	N	06-22-87	1700		1 U		14		10 U		210
DW-595	N	06-22-87	1745		1 U		5 U		10 U		100
DW-595	R	06-22-87	1800		1 U		5 U		10 B		100
DW-595	8B	06-22-87	1815		1 U		5 U		10 U		20 U
DW-595	CCB	06-22-87	1840		1 U		5 U		10 U		20 U
DW-595	8FS	06-22-87	1900		47		151		240		230
DW-599	N	06-23-87	1650		1 U		5 U		10 U		170
DW-605	N	06-23-87	1815		1 U		5 U		50		100
DW-607	N	06-23-87	1745		1 U		5 U		10 U		40 B
DW-613	N	06-24-87	0845		2 B		5 U		20 B		2450
DW-622	N	06-22-87	1530		1 U		5 U		10 B		20 U
DW-630	N	06-22-87	1450		7 B		5 U		10 U		20 U
DW-631	N	06-22-87	1345		5 B		5 U		10 U		20 B

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection limit, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/88

METALS DATA:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Arsenic Dissolved	Arsenic Total	Cadmium Dissolved	Cadmium Total	Copper Dissolved	Copper Total	Iron Dissolved	Iron Total
DW-637	N	06-23-87	1000		1 U		5		10 B		30 B
DW-637	R	06-23-87	1030		2 B		5 U		10 B		110
DW-637	CCB	06-23-87	1100		1 U		5 U		10 U		20 U
DW-637	BB	06-23-87	1115		1 U		5 U		10 U		20 U
DW-637	BFS	06-23-87	1130		55		125		240		200
DW-641	N	06-23-87	1515		3 B		5 U		30		80 B
DW-707	N	07-14-87	1525		2 B		5		10 U		220
DW-710	N	07-14-87	1620		1 B		5 U		10 U		20 B
DW-736	N	07-14-87	1655		1 B		5 U		10 U		20 U
DW-742	N	07-14-87	1730		1 B		5 U		10 U		20 B
DW-757	N	07-15-87	0900		1 B		5 U		10 U		20 U
DW-763	N	07-15-87	0945		1 U		5 U		30		40 B
DW-800	N	07-15-87	1435		1 U		5 U		10 U		910
DW-800	BB	07-15-87	1450		1 B		5 U		10 U		20 U
DW-814	N	07-15-87	1510		2 B		5 U		10 U		20 U
DW-816	N	07-15-87	1140		6 B		5 U		10 U		30 B
DW-826	N	07-15-87	1310		4 B		5 U		10 U		150
DW-826	R	07-15-87	1320		4 B		5 U		10 U		140
DW-826	BB	07-15-87	1335		1 U		5 U		10 U		20 U
DW-826	CCB	07-15-87	1355		1 U		5 U		10 U		20 U
DW-826	BFS	07-15-87	1420		48		144		230		330
DW-832	N	07-15-87	1525		3 B		5 U		10 U		20 U

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection limit, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

METALS DATA: cont'd COMMON IONS:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Lead Dissolved	Lead Total	Manganese Dissolved	Manganese Total	Zinc Dissolved	Zinc Total	Calcium Dissolved (mg/L)	Calcium Total (mg/L)
DW-015	N	06-22-87	1700		1 U		10 U		10 U		50
DW-015	R	06-22-87	1730		1 U		10 U		10 U		51
DW-015	CC8	06-22-87	1800		1 U		10 U		10 U		<1
DW-015	88	06-22-87	1815		1 U		10 U		10 U		<1
DW-015	8FS	06-22-87	1830		105		160		290	68	<1
DW-018	N	06-23-87	1415		1 8		10 U		240		94
DW-021	N	06-23-87	1700		3 8		10		460		48
DW-047	N	06-23-87	0930		1 8		10 U		80		90
DW-048	N	06-23-87	1040		1 U		10 U		10 U		93
DW-054	N	06-23-87	1420		1 U		1150		10 U		76
DW-058	N	07-15-87	0955		1 U		10 U		30		B1
DW-103	N	07-13-87	1410		1 U		10 U		20		47
DW-128	N	07-14-87	0915		1 B		10 U		20		5B
DW-143	N	07-13-87	1550		1 U		10 U		20		55
DW-143	CC8	07-13-87	1600		1 U		10 U		10 U		<1
DW-143	R	07-13-87	1615		3 B		10 U		40		53
DW-143	88	07-13-87	1640		1 U		10 U		10 U		<1
DW-143	8FS	07-13-87	1700		112		170		280	67	<1
DW-152	N	07-13-87	1725		1 U		10 U		10 B		52
DW-155	N	07-14-87	0945		1 U		10 U		10 B		58
DW-181	N	07-14-87	1030		1 U		10 U		10 8		5B
DW-181	B8	07-14-87	1040		1 U		10 U		10 U		<1
DW-181	R	07-14-87	1100		1 U		10 U		10 B		60
DW-181	8FS	07-14-87	1120		99		180		290	63	<1
DW-181	CCB	07-14-87	1145		1 U		10 U		10 U		<1
DW-201	N	06-23-87	1615		1 U		1430		30		110
DW-207	88	06-24-87	0930		1 U		10 U		10 U		<1
DW-207	8FS	06-24-87	0950		111		210		350	68	<1
Dw-207	N	06-24-87	1020		1 U		10 U		10 8		B3
DW-209	N	06-23-87	1540		1 U		70		10 8		93
DW-215	N	06-23-87	1140		8		70		B0		106
DW-215	R	06-23-87	1150		6		70				106
Dw-215	88	06-23-87	1210		1 U		10 U		10 U		<1

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, 88 = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicated parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

METALS DATA: cont'd COMMON IONS:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Lead Dissolved	Lead Total	Manganese Dissolved	Manganese Total	Zinc Dissolved	Zinc Total	Calcium Dissolved (mg/L)	Calcium Total (mg/L)
DW-215	CC8	06-23-87	1220		1 U		10 U		120		<1
DW-215	BFS	06-23-87	1230		90		180		300	63	<1
DW-217	N	06-23-87	1500		1 U		10 U		10 8		76
DW-300	N	07-14-87	1420		1 U		10 U		30		58
DW-309	N	07-14-87	1430		1 U		10 U		20		63
DW-317	N	07-14-87	1330		1 U		10 U		20		59
DW-328	N	07-15-87	1030		1 U		10 U		50		36
DW-331	N	07-15-87	1140		1 U		10 U		100		40
DW-331	R	07-15-87	1200		1 U		10 U		100		20
DW-331	CC8	07-15-87	1220		1 U		10 U		130		<1
DW-331	8FS	07-15-87	1245		113		170		290	63	<1
DW-339	N	07-13-87	1510		3 8		10 U		10 U		68
DW-341	N	07-13-87	1645		1 U		10 U		40		70
DW-345	N	07-13-87	1810		1 U		10 U		10 U		54
DW-353	N	07-13-87	1B50		1 U		10 U		40		10
DW-356	N	07-13-87	1605		1 U		10 U		10 8		76
DW-361	N	07-13-87	1815		5 U		10 B		20		60
DW-361	R	07-13-87	1B20		1 U		10 U		20		58
DW-361	8FS	07-13-87	1830		102		150		260		<1
DW-361	CCB	07-13-87	1900		1 8		10 U		10 U		<1
DW-361	88	07-14-87	0930		1 U		10 U		10 U		<1
DW-363	N	07-14-87	1B30		1 U		10 U		10 U		20
DW-366	N	07-14-87	1745		1 U		10 8		10 B		20
DW-372	N	07-14-87	1500		1 U		10 U		10 U		71
DW-372	R	07-14-87	1515		1 U		10 U		10 U		76
DW-372	8B	07-14-87	1535		1 U		10 U		10 U		<1
DW-372	BFS	07-14-87	1550		98		160		2B0		<1
DW-372	CC8	07-14-87	1600		1 U		10 U		10 U		<1
DW-37B	N	07-15-87	1105		1 U		390		10 8		173
DW-383	N	07-14-87	1130		1 U		10 U		20		74
DW-390	N	07-14-87	1030		1 U		10 U		10 B		72
DW-395	N	07-14-87	1930		1 U		10 U		20		103
DW-396	N	07-14-87	1840		1 U		10 U		70		B5

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, 8FS = blind field standard, WB = water blank, 8B = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected <The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) 8lank values indicated parameters not determined or not reported.

APPENDIX B: continued 07/06/88

METALS DATA: .cont'd COMMON IONS:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Lead Dissolved	Lead Total	Manganese Dissolved	Manganese Total	Zinc Dissolved	Zinc Total	Calcium Dissolved (mg/L)	Calcium Total (mg/L)
DW-398	N	07-13-87	1330		4 B		10 U		90		55
DW-402	N	07-14-87	1300		1 U		490		70		134
DW-501	N	06-22-87	1400		1 U		10 U		30		40
DW-509	N	06-23-87	0900		1 U		10 U		10 U		44
DW-515	N	06-22-87	1630		1 U		10 U		20		78
DW-522	N	06-23-87	1215		1 U		10 U		10 B		86
DW-531	N	06-23-87	1145		1 B		10 U		80		90
DW-532	N	06-24-87	1155		1 U		10 U		40		41
DW-537	N	06-24-87	1235		1 U		10 U		100		26
DW-537	R	06-24-87	1245		1 U		10 U		160		26
DW-537	CC8	06-24-87	1310		1 U		10 U		10 U		<1
DW-559	N	06-24-87	1345		1 B		10 U		30		18
DW-568	N	06-24-87	1420		1 U		10 U		30		75
DW-571	N	06-23-87	1545		1 B		10 U		10 B		75
DW-573	N	06-23-87	1615		1 U		10 U		10 B		53
DW-575	N	06-23-87	1445		1 U		10 U		20		100
DW-579	N	06-23-87	1300		1 U		10 U		10 B		97
DW-584	N	06-24-87	1105		1 U		10 U		10 B		62
DW-588	N	06-22-87	1530		1 U		10 U		10 U		86
DW-589	N	06-22-87	1600		1 U		10 B		100		220
DW-592	N	06-22-87	1700		1 U		20		30		29
DW-595	N	06-22-87	1745		1 B		30		170		46
DW-595	R	06-22-87	1800		3 B		30		220		45
DW-595	BB	06-22-87	1815		1 U		10 U		10 U		<1
DW-595	CCB	06-22-87	1840		1 U		10 U		10 U		<1
DW-595	BFS	06-22-87	1900		93		180		290		<1
DW-599	N	06-23-87	1650		1 U		20		20		59
DW-605	N	06-23-87	1815		1 U		10 U		10 U		32
DW-607	N	06-23-87	1745		1 U		10 U		70		38
DW-613	N	06-24-87	0845		1 U		10 8		30		74
DW-622	N	06-22-87	1530		1 U		10 U		20		40
DW-630	N	06-22-87	1450		1 B		10 U		30		83
DW-631	N	06-22-87	1345		3 8		10 U		10 B		43

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, 8B = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicated parameters not determined or not reported.

APPENDIX B: continued 07/06/88

METALS DATA: cont'd COMMON IONS:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Lead Dissolved	Lead Total	Manganese Dissolved	Manganese Total	Zinc Dissolved	Zinc Total	Calcium Dissolved (mg/L)	Calcium Total (mg/L)
DW-637	N	06-23-87	1000		1 U		10 U		160		35
DW-637	R	06-23-87	1030		1 U		10 U		100		33
DW-637	CCB	06-23-87	1100		1 U		10 U		10 U		<1
DW-637	BB	06-23-87	1115		1 U		10 U		10 U		<1
DW-637	BFS	06-23-87	1130		98		150		250	65	<1
DW-641	N	06-23-87	1515		2 B		10 U		30		48
DW-707	N	07-14-87	1525		1 B		10 U		30		63
DW-710	N	07-14-87	1620		1 U		10 U		80		48
DW-736	N	07-14-87	1655		1 U		10 U		10 U		48
DW-742	N	07-14-87	1730		1 U		10 U		10 U		49
DW-757	N	07-15-87	0900		1 U		10 U		10 U		60
DW-763	N	07-15-87	0945		1 U		10 U		50		41
DW-800	N	07-15-87	1435		1 U		10 B		30		27
DW-800	BB	07-15-87	1450		1 U		10 U		10 U		<1
DW-814	N	07-15-87	1510		1 B		10 U		10 U		96
DW-816	N	07-15-87	1140		1 U		10 U		10 U		88
DW-826	N	07-15-87	1310		1 U		60		30		104
DW-826	R	07-15-87	1320		1 U		60		20		103
DW-826	BB	07-15-87	1335		1 U		10 U		10 U		<1
DW-826	CCB	07-15-87	1355		1 U		10 U		10 U		<1
DW-826	BFS	07-15-87	1420		97		180		290	68	<1
DW-832	N	07-15-87	1525		1 U		10 U		20		91

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicated parameters not determined or not reported.

APPENDIX B: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Alkalinity Total (mg/L)	Hardness Dissolved (mg/L)	Hardness Total as CaCO3 (mg/L)
DW-015	N	06-22-87	1700		6		1		11	130		150
DW-015	R	06-22-87	1730		6		1		11	130		152
DW-015	CC8	06-22-87	1800		<1		<1		<1	2		<7
DW-015	8B	06-22-87	1815		<1		<1		<1	6		<7
DW-015	BFS	06-22-87	1830	28	<1	140	<1	236	<1	170	285	<1
DW-018	N	06-23-87	1415		18		6		42	176		309
DW-021	N	06-23-87	1700		9		6		23	146		157
DW-047	N	06-23-87	0930		16		3		16	148		291
DW-048	N	06-23-87	1040		24		3		10	166		331
DW-054	N	06-23-87	1420		17		2		10	172		260
DW-058	N	07-15-87	0955		16		3		13	108		268
DW-103	N	07-13-87	1410		12		1		6	121		167
DW-128	N	07-14-87	0915		13		2		9	138		198
DW-143	N	07-13-87	1550		11		2		9	117		183
DW-143	CC8	07-13-87	1600		<1		<1		<1	2		<7
DW-143	R	07-13-87	1615		11		2		8	90		178
DW-143	88	07-13-87	1640		<1		<1		<1	2		<7
DW-143	8FS	07-13-87	1700	29	<1		<1		<1	184	286	<7
DW-152	N	07-13-87	1725		10		2		8	127		171
DW-155	N	07-14-87	0945		13		2		10	148		198
DW-181	N	07-14-87	1030		13		2		9	88		198
DW-181	B8	07-14-87	1040		<1		<1		<1	2		<7
DW-181	R	07-14-87	1100		14		2		9	113		207
DW-181	8FS	07-14-87	1120	27	<1	160	<1	270	<1	170		<7
DW-181	CC8	07-14-87	1145		<1		<1		<1	2		<7
DW-201	N	06-23-87	1615		22		2		26	236		365
DW-207	88	06-24-87	0930		<1		<1		<1	5		<7
DW-207	8FS	06-24-87	0950	28	<1	145	<1	245	<1	172	285	<7
Dw-207	N	06-24-87	1020		16		2		25	178		273
DW-209	N	06-23-87	1540		22		2		31	198		323
DW-215	N	06-23-87	1140		19		7		38	284		343
DW-215	R	06-23-87	1150		19		7		40	282		343
DW-215	88	06-23-87	1210		<1		<1		<1	2		<7

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, BFS = blind field standard, W8 = water blank, BB = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, 1 = no laboratory spike was determined, J = values useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) 8lank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Alkalinity Total (mg/L)	Hardness Dissolved (mg/L)	Hardness Total as CaCO3 (mg/L)
DW-215	CCB	06-23-87	1220		<1		<1		<1	2		<7
DW-215	BFS	06-23-87	1230	27	<1	160	<1	269	<1	170		<7
DW-217	N	06-23-87	1500		12		3		14	175		239
DW-300	N	07-14-87	1420		15		2		6	181		207
DW-309	N	07-14-87	1430		14		2		9	169		215
DW-317	N	07-14-87	1330		13		2			154		201
DW-328	N	07-15-87	1030		13		2		4	121		143
DW-331	N	07-15-87	1140		9		1		7	81		137
DW-331	R	07-15-87	1200		6		1		3	81		75
DW-331	CCB	07-15-87	1220		<1		<1		<1	2		<7
DW-331	BFS	07-15-87	1245	27	<1	170	135	269	235	170		<7
DW-339	N	07-13-87	1510		17		3		12	181		240
DW-341	N	07-13-87	1645		18		2		12	90		249
DW-345	N	07-13-87	1810		13		2		10	113		188
DW-353	N	07-13-87	1850		4		1		3	38		41
DW-356	N	07-13-87	1605		21		3		16	210		276
DW-361	N	07-13-87	1815		24		2		7	202		248
DW-361	R	07-13-87	1820		23		2		7	202		239
DW-361	BFS	07-13-87	1830	<1		160	<1	264	<1	170		<7
DW-361	CCB	07-13-87	1900	<1			<1		<1	2		<7
DW-361	BB	07-14-87	0930	<1			<1		<1	2		<7
DW-363	N	07-14-87	1830		5		2		4	127		71
DW-366	N	07-14-87	1745		10		1		3	92		91
DW-372	N	07-14-87	1500		20		3		10	144		260
DW-372	R	07-14-87	1515		20		3		11	119		272
DW-372	BB	07-14-87	1535	<1			<1		<1	6		<7
DW-372	BFS	07-14-87	1550	<1		160	<1	260	<1	170		<7
DW-372	CCB	07-14-87	1600	<1			<1		<1	2		<7
DW-378	N	07-15-87	1105		44		23		58	360		613
DW-383	N	07-14-87	1130		37		2		7	233		337
DW-390	N	07-14-87	1030		24		3		9	231		278
DW-395	N	07-14-87	1930		23		3		13	175		352
DW-396	N	07-14-87	1840		20		4		10	167		295

NOTES:
1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = values useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Alkalinity Total (mg/L)	Hardness Dissolved (mg/L)	Hardness Total as CaCO3 (mg/L)
DW-398	N	07-13-87	1330		19		2		7	192		215
DW-402	N	07-14-87	1300		22		24		43	190		425
DW-501	N	06-22-87	1400		9		4		17	134		137
DW-509	N	06-23-87	0900		9		3		12	112		147
DW-515	N	06-22-87	1630		12		5		8	182		244
DW-522	N	06-23-87	1215		10		3		16	196		256
DW-531	N	06-23-87	1145		19		9		23	192		303
DW-532	N	06-24-87	1155		9		6		11	122		139
DW-537	N	06-24-87	1235		8		5		11	72		98
DW-537	R	06-24-87	1245		8		5		11	74		98
DW-537	CCB	06-24-87	1310		<1		<1		<1	2		<7
DW-559	N	06-24-87	1345		6		8		20	74		70
DW-568	N	06-24-87	1420		17		6		35	188		257
DW-571	N	06-23-87	1545		16		3		40	234		253
DW-573	N	06-23-87	1615		10		6		28	186		174
DW-575	N	06-23-87	1445		17		6		33	168		320
DW-579	N	06-23-87	1300		18		3		37	218		316
DW-584	N	06-24-87	1105		18		1		9	180		229
DW-588	N	06-22-87	1530		24		8		18	180		313
DW-589	N	06-22-87	1600		34		4		93	306		689
DW-592	N	06-22-87	1700		9		1		111	176		109
DW-595	N	06-22-87	1745		23		2		98	216		209
DW-595	R	06-22-87	1800		23		2		100	166		207
DW-595	B8	06-22-87	1815		<1		<1		<1	2		<7
DW-595	CC8	06-22-87	1840		<1		<1		<1	2		<7
DW-595	8FS	06-22-87	1900		<1	160	<1	273	<1	172		<7
DW-599	N	06-23-87	1650		32		8		105	258		279
DW-605	N	06-23-87	1815		4		1		8	94		
DW-607	N	06-23-87	1745		5		1		8	102		116
DW-613	N	06-24-87	0845		16		6		18	156		251
DW-622	N	06-22-87	1530		4		2		5	104		116
DW-630	N	06-22-87	1450		20		6		12	206		290
DW-631	N	06-22-87	1345		11		5		11	158		153

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = values useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Alkalinity Total (mg/L)	Hardness Dissolved (mg/L)	Hardness Total as CaCO3 (mg/L)
DW-637	N	06-23-87	1000		8		6		8	106		120
DW-637	R	06-23-87	1030		8		6		8	106		115
DW-637	CCB	06-23-87	1100		<1		<1		<1	2		<7
DW-637	BB	06-23-87	1115		<1		<1		<1	6		<7
DW-637	BFS	06-23-87	1130	27	<1	150	<1	270	<1	170	<1	<1
DW-641	N	06-23-87	1515		8		6		71	226		153
DW-707	N	07-14-87	1525		14		2		9	165		215
DW-710	N	07-14-87	1620		12		2		9	125		169
DW-736	N	07-14-87	1655		11		2		8	138		165
DW-742	N	07-14-87	1730		11		2		8	113		168
DW-757	N	07-15-87	0900		11		2		11	125		195
DW-763	N	07-15-87	0945		11		2		6	152		148
DW-800	N	07-15-87	1435		23		5		45	221		162
DW-800	BB	07-15-87	1450		<1		<1		<1	2		<7
DW-814	N	07-15-87	1510		33		5		22	283		375
DW-816	N	07-15-87	1140		42		12		100	310		392
DW-826	N	07-15-87	1310		20		3		21	250		342
DW-826	R	07-15-87	1320		20		3		21	204		340
DW-826	BB	07-15-87	1335		<1		<1		2	2		<7
DW-826	CCB	07-15-87	1355		<1		<1		<1	2		<7
DW-826	BFS	07-15-87	1420	30	<1	150	<1	241	<1	178	293	<7
DW-832	N	07-15-87	1525		29		5		22	246		346

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = values useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/BB

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	COMMENTS
DW-015	N	06-22-87	1700	4	0.7	0.60	27	
DW-015	R	06-22-87	1730	4	0.6	0.52	25	
DW-015	CC8	06-22-87	1800	<1	0.1	<0.02	<2	
DW-015	8B	06-22-87	1815	<1	0.2	<0.02	<2	
DW-015	BFS	06-22-87	1830	256	10	4.88	144	
DW-018	N	06-23-87	1415	20	0.9	0.64	183	
DW-021	N	06-23-87	1700	12	0.6	0.55	47	
DW-047	N	06-23-87	0930	10	0.4	0.26	80	
DW-048	N	06-23-87	1040	11	0.2	0.91	47	
DW-054	N	06-23-87	1420	8	0.6	<0.02	56	
DW-058	N	07-15-87	0955	3	0.5	0.07	41	
DW-103	N	07-13-87	1410	2	0.7	0.62	25	
DW-128	N	07-14-87	0915	3	0.6	0.21	45	
DW-143	N	07-13-87	1550	3	0.8	0.22	51	
DW-143	CC8	07-13-87	1600	<1	0.5	<0.02	2	
DW-143	R	07-13-87	1615	2	0.8	0.14	44	
DW-143	8B	07-13-87	1640	<1	0.5	<0.02	<2	
DW-143	BFS	07-13-87	1700	265	11.2	4.96	56	
DW-152	N	07-13-87	1725	3	0.6	0.27	53	
DW-155	N	07-14-87	0945	3	0.7	0.42	53	
DW-181	N	07-14-87	1030	2	0.5	0.12	10	
DW-181	8B	07-14-87	1040	<1	0.3	<0.02	<2	
DW-181	R	07-14-87	1100	2	0.5	0.14	8	
DW-181	BFS	07-14-87	1120	258	10.4	4.58	148	
DW-181	CC8	07-14-87	1145	<1	0.2	<0.02	2	
DW-201	N	06-23-87	1615	12	0.7	<0.02	109	
DW-207	B8	06-24-87	0930	1	0.4	<0.02	4	
DW-207	8FS	06-24-87	0950	258	10	4.82	154	
Dw-207	N	06-24-87	1020	12	1.3	0.20	111	
DW-209	N	06-23-87	1540	13	1	0.12	128	
DW-215	N	06-23-87	1140	14	0.5	4.04	91	
DW-215	R	06-23-87	1150	14	0.6	3.87	95	
Dw-215	8B	06-23-87	1210	<1	0.3	<0.02	2	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, WB = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected, (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	COMMENTS
DW-215	CC8	06-23-87	1220	<1	0.3	<0.02	<2	
DW-215	8FS	06-23-87	1230	256	10.7	4.68	148	
DW-217	N	06-23-87	1500	11	1.1	0.27	66	
DW-300	N	07-14-87	1420	2	0.6	0.02	19	
DW-309	N	07-14-87	1430	3	0.5	0.33	45	
DW-317	N	07-14-87	1330	3	0.5	0.40	47	
DW-328	N	07-15-87	1030	2	0.6	0.12	45	
DW-331	N	07-15-87	1140	1	0.4	0.18	2	
DW-331	R	07-15-87	1200	1	0.4	0.18	4	
DW-331	CC8	07-15-87	1220	<1	0.3	<0.02	<2	
DW-331	8FS	07-15-87	1245	264	10.7	4.78	156	
DW-339	N	07-13-87	1510	4	0.6	0.27	78	
DW-341	N	07-13-87	1645	2	0.5	0.09	23	
DW-345	N	07-13-87	1810	3	0.6	0.14	37	
DW-353	N	07-13-87	1850	2	0.3	0.76	4	
DW-356	N	07-13-87	1605	5	0.8	0.45	78	
DW-361	N	07-13-87	1815	3	0.4	0.32	33	
DW-361	R	07-13-87	1820	3	0.4	0.32	35	
DW-361	8FS	07-13-87	1830	258	10.7	4.56	154	
DW-361	CCB	07-13-87	1900	<1	0.2	<0.02	<2	
DW-361	88	07-14-87	0930	1	0.2	<0.02	<2	
DW-363	N	07-14-87	1830	2	0.6	0.19	41	
DW-366	N	07-14-87	1745	1	0.3	<0.02	<2	
DW-372	N	07-14-87	1500	4	0.6	0.23	27	
DW-372	R	07-14-87	1515	3	0.6	0.17	21	
DW-372	88	07-14-87	1535	<1	0.3	<0.02	<2	
DW-372	8FS	07-14-87	1550	258	10.6	4.78	148	
DW-372	CC8	07-14-87	1600	<1	0.2	<0.02	<2	
DW-378	N	07-15-87	1105	78	0.6	0.10	346	
DW-383	N	07-14-87	1130	3	0.5	0.16	16	
DW-390	N	07-14-87	1030	5	0.4	1.10	35	
DW-395	N	07-14-87	1930	6	0.9	0.11	78	
DW-396	N	07-14-87	1840	4	1.2	0.12	368	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, B8 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected, (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX 8: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	COMMENTS
DW-398	N	07-13-87	1330	2	0.4	0.26	25	
DW-402	N	07-14-87	1300	4	0.4	<0.02	364	
DW-501	N	06-22-87	1400	11	0.5	0.40	6	
DW-509	N	06-23-87	0900	8	0.4	0.40	31	
DW-515	N	06-22-87	1630	13	0.4	1.04	39	
DW-522	N	06-23-87	1215	15	1.1	1.44	49	
DW-531	N	06-23-87	1145	13	0.3	1.86	119	
DW-532	N	06-24-87	1155	12	0.7	0.41	25	
DW-537	N	06-24-87	1235	13	0.6	0.68	39	
DW-537	R	06-24-87	1245	13	0.6	0.67	35	
DW-537	CC8	06-24-87	1310	<1	0.2	<0.02	<2	
DW-559	N	06-24-87	1345	19	1.2	0.81	35	
DW-568	N	06-24-87	1420	31	0.5	1.71	101	
DW-571	N	06-23-87	1545	13	0.8	3.14	91	
DW-573	N	06-23-87	1615	12	0.6	1.33	31	
DW-575	N	06-23-87	1445	29	0.6	0.77	175	
DW-579	N	06-23-87	1300	14	1	0.84	148	
DW-584	N	06-24-87	1105	11	0.6	0.39	31	
DW-588	N	06-22-87	1530	16	0.5	0.69	74	
DW-589	N	06-22-87	1600	268	0.4	10.9	165	
DW-592	N	06-22-87	1700	12	0.7	<0.02	121	
DW-595	N	06-22-87	1745	21	0.8	0.09	136	
DW-595	R	06-22-87	1800	21	0.8	0.11	111	
DW-595	88	06-22-87	1815	<1	0.2	<0.02	10	
DW-595	CC8	06-22-87	1840	<1	0.2	<0.02	14	
DW-595	8FS	06-22-87	1900	256	10.9	4.90	152	
DW-599	N	06-23-87	1650	28	1.3	0.06	136	
DW-605	N	06-23-87	1815	4	0.6	0.16	4	
DW-607	N	06-23-87	1745	2	0.6	0.18	12	
DW-613	N	06-24-87	0845	22	0.6	0.39	95	
DW-622	N	06-22-87	1530	1	0.1	0.39	6	
DW-630	N	06-22-87	1450	17	0.5	1.10	99	
DW-631	N	06-22-87	1345	10	0.8	0.25	16	

NOTES:
1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected, (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) 8lank values indicate parameters not determined or not reported.

APPENDIX B: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	COMMENTS
DW-637	N	06-23-87	1000	10	0.5	0.48	10	
DW-637	R	06-23-87	1030	9	0.5	0.44	6	
DW-637	CCB	06-23-87	1100	<1	0.2	<0.02	<2	
DW-637	BB	06-23-87	1115	<1	0.2	<0.02	<2	
DW-637	BFS	06-23-87	1130	258	10.5	4.84	156	
DW-641	N	06-23-87	1515	21	0.9	1.22	72	
DW-707	N	07-14-87	1525	3	0.5	0.36	43	
DW-710	N	07-14-87	1620	2	0.6	0.15	14	
DW-736	N	07-14-87	1655	3	0.6	0.28	29	
DW-742	N	07-14-87	1730	2	0.6	0.38	16	
DW-757	N	07-15-87	0900	2	0.7	0.21	49	
DW-763	N	07-15-87	0945	1	0.4	0.17	2	
DW-800	N	07-15-87	1435	5	1.5	<0.02	37	
DW-800	BB	07-15-87	1450	<1	0.4	<0.02	<2	
DW-814	N	07-15-87	1510	14	0.5	2.58	47	
DW-816	N	07-15-87	1140	66	0.6	2.56	169	
DW-826	N	07-15-87	1310	6	0.7	0.09	109	
DW-826	R	07-15-87	1320	5	0.6	0.04	114	
DW-826	BB	07-15-87	1335	<1	0.1	<0.02	<2	
DW-826	CCB	07-15-87	1355	<1	0.2	<0.02	<2	
DW-826	BFS	07-15-87	1420	253	10	4.88	175	
DW-832	N	07-15-87	1525	8	0.8	1.82	62	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected, (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX C

MONITORING WELL COMPLETION LOGS

CLARK FORK RIVER SCREENING STUDY

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: Montana County: Deer Lodge Project: CFR 186-3110.N Hole Name or Number: CFR-MW-01

Legal Location: T 5N R AW Sec 5 Tract CCC Descriptive Location: Lane = 100 feet north of Perkins = 600 feet east of CFR

Recorded By: P. Dunlavy Hole Started: Time: 1500 Date: 07/13/87 Hole Completed: Time: 1630 Date: 07/13/87 Driller: Clint/NET

Drill Method: Hollow Stem Auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 15' Total Depth Reamed: NA Total Depth Cased Below G.S.: 13.8' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 8.8-13.8 Target Aquifer: CFR Alluvium Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO	
Well Developed?	X		
Well Test Pumped?		X	
Water Samples Taken?	X		(field parameter)
Material Samples Taken?	X		
E-Logs?		X	
Bottom Cap	X		

Method Perforated or Screened

	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
X	Mechanical slots .03 inch (size)
	Other (specify) factory

Static Water Level Below Measuring Point: 3.60'/4.19'/3.65' Date/Time Measured: 07/15/87 @ 1230 hrs/ 07/13/87 @ 1700 hrs/07/14/87 @ 0650 hrs

Measuring Point Description/Elevation: Top of PVC @ Mark MP Height Above (+/-) or Below G.S.: +1.2'

Well Annulus Completion Description: 2" flush threaded bottom cap, .03 inch slotted flush threaded PVC 8.8' - 13.8', 8-16 mesh silica sand pack 14' to 8', 1/4" volclay bentonite pellets 8' to 6', backfilled with native material 6' to .3', 1/4" bentonite pellets 3' to 2', concrete grout steel well protector with lock

Well Development Description:

Remarks: Silt and sand seeped into casing through slots to 14' or 1 foot from bottom of caving @ 1630. S.C. = 1590, pH = 6.4, temperature = 15°C

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	2'		Tailings, orange to brown, fairly dry at surface, very moist at approximately 1 foot, sandy clayey silt, mica and pyrite crystals, dark orange to dark brown at 1 foot, occasional gravel up to 1/2" but very little, augers easily, very sticky and cohesive, organic fragments.
2'	6'		Silt, clayey sandy silt, dark brown to black, lots of organic fragments, (roots, wood, etc.) very moist and stick, mostly balck silt, occasional pyrite and mica flakes, layer of light tan to yellow clay on top of silt approximately 6 inches. Very clayey.
6'	15'		Gravel, thin beds (6") of 1/2 to 2" gravel interbedded with balck silty sand, augers very easy, water came up in hole to 1.6' below ground surface.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: Montana County: Deer Lodge Project: CFR Hole Name or Number: CFR-MW-01A

Legal Location: T 5N R 9W Sec 5 Tract CCC Descriptive Location: 5'

Recorded By: Dunlavy Hole Started: Time: 1115 Date: 07/15/87 Hole Completed: Time: 1200 Date: 07/15/87 Driller: Dunlavy/NET

Drill Method: Bucket Auger Drilling Fluids Used: None Pilot Hole Diameter: 4" Reamed Hole Diameter: NA

Total Depth Drilled: 6.5' Total Depth Reamed: NA Total Depth Cased Below G.S.: 6.0' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 1-60' Target Aquifer: CFR Alluvium Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO	
Well Developed?	X		
Well Test Pumped?		X	
Water Samples Taken?			(field parameter)
Material Samples Taken?	X		
E-Logs?		X	
Bottom Cap	X		

Method Perforated or Screened

	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
X	Mechanical slots .01 inch (size)
	Other (specify)

Static Water Level Below Measuring Point: 6.66 Date/Time Measured: 07/15/87 @ 1230

Measuring Point Description/Elevation: Top of PVC MP Height Above (+/-) or Below G.S.: +4.1'

Well Annulus Completion Description: 8-16 mesh silica sand, 6.5 to 1.0' 1/4" volclay pellets .25' to 1.0', concrete grout steel well protector with lock.

Well Development Description:

Remarks: Unable to cut PVC during installation, left with 2" cap and 4' stick up until steel well S.C. = 740, pH = 6.7, temperature = 16°C

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	1'		Tailings, light tan to orange, very fine grained, slight clay content, mostly silt and sand lots of mica, moist, well sorted.
1'	2'		Silt, black organic silt, heavily reduced, blue-green mottles looks lime malachite heavy Cu concentrations, lots of wood fragments and roots, sandy silt, little to no clay on gravel.
2'	3'		Silt, black, root fragments, no blue-green mottling, same as above but less metallic leaching apparent.
3'	6.5'		Sand, fine to medium grained, well sorted, subangular grains, dark brown to gray to green tint reduced, black silt matrix, occasional thin bed (approximately 4') of black silt with little sand, sand and silts alternate but sand is predominate lots of mica.
6.5'			Gravel, hard gravel encountered, bucket auger refusal.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: Montana County: Deer Lodge Project: CFR Hole Name or Number: CFR-MW-02

Legal Location: T 5N R 9W Sec 6 Tract DDD Descriptive Location: 100 Fe N of Perkins Lane, 75' E. of CFR

Recorded By: Dunlavy Hole Started: Time: 0715 Date: 7-14-87 Hole Completed: Time: 0930 Date: 7-14-87 Driller: Clint/NET

Drill Method: Hollow stem auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter:

Total Depth Drilled: 15' Total Depth Reamed: NA Total Depth Cased Below G.S.: 13' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 8-13' Target Aquifer: CFR Alluvium Packer Type and Depth Below G.S.: X

DURING INSTALLATION WAS:	YES	NO	
Well Developed?	X		
Well Test Pumped?		X	
Water Samples Taken?			(field parameters)
Material Samples Taken?			
E-Logs?			
Bottom Cap	X		

Method Perforated or Screened	
	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
	Mechanical slots .03 in (size)
X	Other (specify) Factory

Static Water Level Below Measuring Point: 3.52' Date/Time Measured: 7-14-87 @ 1015 HRS

Measuring Point Description/Elevation: Top of PVC @ Mark MP Height Above (+/-) or Below G.S.: + 0.4'

Well Annulus Completion Description: 8-12 mesh silica sand 6.5 to 14', 1/4" volclay bentonite grout 5.5 to 6.5', backfilled with native material 3 to 5.5, 1/4" volclay bentonite grout 2 to 3.0', concrete grout steel well protector w/lock @ surface.

Well Development Description:

Remarks: S.C. = 740 pH = 6.1, Temp. = 16°

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	3'		Tailings, light tan to organge, very fine grained, clayey, a lot of mica, and pyrite, 30% sand, 30% clay, 30% silt, split spoon sample 3 to 4 1/2", 6, 16, and 21 blows per 6 inches. 6" core recovered, including tailing/native contact.
3'	5'		Silty gravel, dark brown to black silt with small < 1/2" gravel of limestone and menzonite, gravel is subrounded, mataix includes MICA and pyrite, organic fragments watch @ 4.5'.
5'			Gravelly, silty, sand, 80% subangular quartz sand, 10% 1/4" limestone pea gravel, 10% dark brown silt, very little clay, split spoon sample 8 to 9.5, 6, 14, and 45 blows/6", large quartzite clast 1 1/2" - 9.5; more gravel at 10'/

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: Montana County: Deer Lodge Project: CFR Hole Name or Number: CFR-MW-03

Legal Location: T 5N R 9W Sec 18 Tract AAC Descriptive Location: On MT F&G prop. near Warm Springs

Recorded By: Dunlavy Hole Started: Time: 1145 Date: 7-14-87 Hole Completed: Time: 1230 Date: 7-14-87 Driller: Clint/NET

Drill Method: Hollow stem auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 10.5' Total Depth Reamed: NA Total Depth Cased Below G.S.: 10' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH40 Interval Perforated or Screened Below G.S.: 5-10' Target Aquifer: CFR alluvium Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO
Well Developed?	X	
Well Test Pumped?		X
Water Samples Taken?	Field Parameters	
Material Samples Taken?		X
E-Logs?		X
Bottom Cap	X	

Method Perforated or Screened

	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
X	Mechanical slots .030" (size)
	Other (specify) factory

Static Water Level Below Measuring Point: 3.65' Date/Time Measured: 7-14-87 @ 1245

Measuring Point Description/Elevation: Top of PVC @ mark MP Height Above (+/-) or Below G.S.: +.10'

Well Annulus Completion Description: 8-16 mesh silica sand 10.5 to 4.0', 1/4" volclay bentonite pellets 3 to 4.0', native material 1.5 to 3.0', 1/4" volclay pellets 1.0 to 1.5', concrete grout steel well protector w/lock

Well Development Description:

Remarks: s.C. = 1070, pH = 6.6, Temp. = 16°C

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	4'		Tailings, light tan to orange, extremely oxidized zones, clayey, moist, wood frags. lots of pyrite ACS - 70%, silt, 20% clay, 10% sand, no gravel.
4'	5.5'		Silt, black clayey silt, little sand or gravel, organic fragments, 30% clay, sticky moist.
5.5'	10.5'		Grvel, silty sandy gravel, mostly sand, subangular quartz sand w/silt and a few gravels to 1", gravel is subrounded quartz monaonite and quartzite.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-04

Legal Location: T 6N R 9W Sec 29 Tract DCD Descriptive Location: ± 300' E. of CFR N. 15° N. of Galen Br. Rd.

Recorded By: Dunlavy Hole Started: Time: 1445 Date: 7-14-87 Hole Completed: Time: 1515 Date: 7-14-87 Driller: Clint/NET

Drill Method: Hollow Stem Auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 10.5' Total Depth Reamed: NA Total Depth Cased Below G.S.: 9.2' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 4.2-9.2' Target Aquifer: CFR Alluv Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO		Method Perforated or Screened	
Well Developed?	X				No casing in hole
Well Test Pumped?		X			Open bottom
Water Samples Taken?			(field parameters)		Slotted with Mill's Knife
Material Samples Taken?	X				Slotted with a torch
E-Logs?		X			Screened by pulling casing
Bottom Cap	X				Field saw cut
				X	Mechanical slots .03" (size)
					Other (specify)

Static Water Level Below Measuring Point: 3.29' Date/Time Measured: 7-14-87 @ 1540

Measuring Point Description/Elevation: Top of PVC MP Height Above (+/-) or Below G.S.: +.80'

Well Annulus Completion Description: 8-16 mesh silica sand, 10.5' to 3.5', 1/4" volclay bentonite pellets 3.0' to 3.5', native sand and tailings 1.5 to 3.0'. 1/4" bentonite 1.0 to 1.5', concrete grout steel well protection w/lock.

Well Development Description:

Remarks: S.C. = 1150 pH = 7.2 temp. = 16°C

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	2'		Tailings, light tan to orange, very fine grained, clayey, little sand or gravel, few organics.
2'	4.5'		Sand, subangular to subrounded medium to fine sand, orange to brown, heavily oxidized, occasional 1/4 to 1/2" gravels of limestone, black surfaces on gravel, moist, sample from 2-3' H_2o @ 3.5'.
4.5'	10.5'		Gravel, 1/2" moderately rounded with coarse sand, 50% sand, 50% gravel, little to no silt or clay, oxidized surfaces apparent.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-05

Legal Location: T 6N R 9W Sec 29 Tract DCD Descriptive Location: 100' N of Galen Br.Rd., 50' E. of CFR 250' W. of CFR - 4

Recorded By: Dunlavy Hole Started: Time: 1605 Date: 7-14-87 Hole Completed: Time: 1700 Date: 7-14-87 Driller: Clint/NET

Drill Method: Hollow stem auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 10.5' Total Depth Reamed: NA Total Depth Cased Below G.S.: 9.0' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 4.0-9.0' Target Aquifer: CFR Alluv Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO	
Well Developed?	X		
Well Test Pumped?		X	
Water Samples Taken?			(field parameters)
Material Samples Taken?	X		
E-Logs?		X	
Bottom Cap	X		

	Method Perforated or Screened
	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
X	Mechanical slots 0.13" (size)
	Other (specify)

Static Water Level Below Measuring Point: 4.00' Date/Time Measured: 7-14-87 @ 1700

Measuring Point Description/Elevation: Top of PVC @ mark MP Height Above (+/-) or Below G.S.: + 1.0'

Well Annulus Completion Description: 8-16 mesh silica sand 3.5 to 10.5', 1/4" volclay pellets 3.0 to 3.5', native 1 to 3.0', 1/4" bentonite .5 to 1', concrete grout steel well protector w/lock..

Well Development Description:

Remarks: S.C. = 870 pH = 7.4 Temp. = 16'

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	1'		Tailings, light than to orange, very fine silt and sand with some clay, alot of mica and pyrite, mostly quartz, heavily oxidized.
1'	3.5'		Clayey silt, dark brown to black silt with clay, moist sticky, little sand or gravel, mica and wood fragments throughout.
3.5'	10.5		Silty, sandy gravel, subrounded gravel up to 1" diameter, silty sand matrix, lots of Matrix, water @ = 3.5', less gravel @ 8.0', augers easily.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-06

Legal Location: T 7N R 9W Sec 9 Tract BAB Descriptive Location: ± 35' S. of CFR ± 60' E. of Main Street

Recorded By: Dunlavy Hole Started: Time: 0700 Date: 7-15-87 Hole Completed: Time: 0800 Date: 7-15-87 Driller: Clint/NET

Drill Method: Hollow stem auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 10.5 Total Depth Reamed: NA Total Depth Cased Below G.S.: 10' Diameter and Type of Casing: 2" FL, threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 5-10' Target Aquifer: CFR Alluv Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO	
Well Developed?	X		
Well Test Pumped?		X	
Water Samples Taken?			(field parameters)
Material Samples Taken?	X		
E-Logs?		X	
Bottom Cap	X		

Method Perforated or Screened

- ____ No casing in hole
- ____ Open bottom
- ____ Slotted with Mill's Knife
- ____ Slotted with a torch
- ____ Screened by pulling casing
- ____ Field saw cut
- X Mechanical slots .030" (size)
- ____ Other (specify) ____

Static Water Level Below Measuring Point: 4.65' Date/Time Measured: 7-15-87 @ 0800

Measuring Point Description/Elevation: Top of PVC MP Height Above (+/-) or Below G.S.: 0.0

Well Annulus Completion Description: 8-16 mesh silica sand 4-10.5', 1/4" volclay bentonite pellets 3 - 4.0', native material 2 - 3.0', bentonite 1 - 2.0, concrete grout steel well protector with lock

Well Development Description:

Remarks: s.C. = 1210 pH = 6.8 Temp = 14°.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	1'		Tailings, light tan to orange, very fine grained, silty, not much clay, mica, quartz, pyrite, wood fragment.
1'	4.5'		Silt, dark brown organic silt, 60% silt, 40% sand with lots of organic material less organic @ 3'.
4.5'	10.5'		Gravel, moderately rounded gravels up to 2", mostly quartzite and quartz monzonite, silty sand matrix, CFR stream channel deposits, 60% gravel, 20% sand, 20% silt, loose gravel.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-07

Legal Location: T 7N R 9W Sec 9 Tract BDB Descriptive Location: ≈50' E. of Main, ≈200' W. of CFR, near I-90 on ramp.

Recorded By: Dunlavy Hole Started: Time: 0824 Date: 7-15-87 Hole Completed: Time: 1000 Date: 7-15-87 Driller: Clint/NET

Drill Method: Hollow stem auger Drilling Fluids Used: None Pilot Hole Diameter: 12" Reamed Hole Diameter: NA

Total Depth Drilled: 10.5 Total Depth Reamed: N.A. Total Depth Cased Below G.S.: 9.6' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 4.6-9.6' Target Aquifer: CFR alluv Packer Type and Depth Below G.S.: N.A.

DURING INSTALLATION WAS:	YES	NO
Well Developed?	X	
Well Test Pumped?		X
Water Samples Taken?	Field Parameters	
Material Samples Taken?	X	
E-Logs?		X
Bottom Cap	X	

Method Perforated or Screened	
	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
	Field saw cut
X	Mechanical slots .03" (size)
	Other (specify) Factory

Static Water Level Below Measuring Point: 3.75' Date/Time Measured: 7-15-87 @ 0920

Measuring Point Description/Elevation: Top of PVC @ mark MP Height Above (+/-) or Below G.S.: +.4'

Well Annulus Completion Description: 8-16 mesh silica sand pack 10.5 to 3.5', 1/4" volclay bentonite pellets 2.5 - 3.5, native material 1.5 to 2.5' bentonite 1 to 1.5', concrete grout steel well protector with lock.

Well Development Description:

Remarks: S.C. = 620 pH = 6.4 Temp. = 12.5^{0}C

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	2'		Tailings, light tan to orange, silty sandy tailings, not much clay, very fine grained, extremely oxidized, pyrite and mica abound, mostly quartz.
2'	4'		Silt, black organic silt, little to no clay, lots of organics, root gragments etc., no gravel, augers very easy, reduced, water @ = 4.0'/
4'	10.5'		Silty sand, medium to coarse subangular quartz same with dark silt matrix, very soupy, no gravel, drills easy

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-08

Legal Location: T 9N R 9W Sec 33 Tract DDA Descriptive Location: ~1 S. of Garrison, ~ 150' W. of I-90, Due West of Beck's Hill Road

Recorded Grotbo Hole Started: By: Dunlavy Time: 1600 Date: 7-17-87 Hole Completed: Time: 1700 Date: 7-13-87 Driller: Mules Grotbo

Drill Method: Bucket auger Drilling Fluids Used: None Pilot Hole Diameter: 4" Reamed Hole Diameter: NA

Total Depth Drilled: 6' Total Depth Reamed: NA Total Depth Cased Below G.S.: 5.8' Diameter and Type of Casing: 2" flush NC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 4.8-5.8' Target Aquifer: CFR Alluv Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO
Well Developed?	X	
Well Test Pumped?		X
Water Samples Taken?	Field Parameters	
Material Samples Taken?		X
E-Logs?		X
Bottom Cap		

Method Perforated or Screened	
	No casing in hole
	Open bottom
	Slotted with Mill's Knife
	Slotted with a torch
	Screened by pulling casing
X	Field saw cut
	Mechanical slots _____ (size)
	Other (specify) _____

Static Water Level Below Measuring Point: 4.0' Date/Time Measured: 7-17-87 @ 1700

Measuring Point Description/Elevation: Top of PVC MP Height Above (+/-) or Below G.S.: + 1.0'

Well Annulus Completion Description: 8-16 mesh silica sand 6 - 4.0'. 1/4" volclay bentonite pellets 4.0 - .5' concrete grout steel well.

Well Development Description:

Remarks:

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	1.5'		Tailings, light tan to orange, very pink grained, clayey, pyrite & mica.
1.5'	3.0'		Sand, fine grained, well sorted, quartz rich, brown to gray
3.0'	5.0'		Silt, organic rich, clayey, dark gray to black, root gragments, pyrite rich, reduced, fetted.
5.0'	6.0'		Sand, medium to coarse, medium - gray, H_2o @ 5', subangular, occasional small to medium gravel.
6.0'			Gravel, auger refusal, pea gravel to 2", moderately rounded.

Northern Engineering and Testing, Inc.

WELL COMPLETION LOG

State: MT County: Powell Project: CFR Hole Name or Number: CFR-MW-09

Legal Location: T 9N R 10W Sec 24 Tract DCC Descriptive Location: Located ± 0.2 miles s. of Little Blackfoot confluence on SW side of abandoned R.R. bed

Recorded By: Staley Hole Started: Time: 0930 Date: 7/21/87 Hole Completed: Time: 1000 Date: 7/21/87 Driller: Grant/NET

Drill Method: Bucket Auger Drilling Fluids Used: None Pilot Hole Diameter: 4" Reamed Hole Diameter: NA

Total Depth Drilled: 2'7" Total Depth Reamed: NA Total Depth Cased Below G.S.: 2.6' Diameter and Type of Casing: 2" flush threaded PVC

Weight or Gage of Casing: SCH 40 Interval Perforated or Screened Below G.S.: 2'-2.6' Target Aquifer: CFR Alluv Packer Type and Depth Below G.S.: NA

DURING INSTALLATION WAS:	YES	NO	Method Perforated or Screened	
Well Developed?	X			No casing in hole
Well Test Pumped?		X		Open bottom
Water Samples Taken?	Field Parameters			Slotted with Mill's Knife
Material Samples Taken?	X			Slotted with a torch
E-Logs?		X		Screened by pulling casing
Bottom Cap	X		X	Field saw cut
				Mechanical slots _____ (size)
				Other (specify) _____

Static Water Level Below Measuring Point: 4.70' Date/Time Measured: 7/21/87 @ 1045

Measuring Point Description/Elevation: Top of PVC (N. side). MP Height Above (+/-) or Below G.S.: 2.25' +

Well Annulus Completion Description: 8-16 mesh silica sand, 2.6' - 2.0', 1/4" volclay bentonite pellets 2.0' - 0.5', concrete grout steel well protection with lock.

Well Development Description:

Remarks:

Northern Engineering and Testing, Inc.

DRILLING AND LITHOLOGIC LOG

(Depth Below G.S.) From	To	DRILLING LOG	Geological, Drilling, and Water Conditions and Sampling
0'	1"		Tailings + soils vegetation.
1"	8"		Tailings, orangish brown.
8"	12" (1.0')		Organic buried soil.
1.0"	1'11"		Gray clay loam.
1'11"	2'7"		River sands and gravel - H_2o @ 2' 3".
2'7"			Auger rejection, cobbles (small) and gravels.

APPENDIX D

MONITORING WELL DEVELOPMENT LOGS

CLARK FORK RIVER SCREENING STUDY

Well No.: CFR-01

WELL DATA

Project Name: CFR State: MT County: Deer Lodge

Location: T 5N R 9W Sec 5 Tract CCC Well Location (Narrative Desc.): CFR-01-Deep- W. op

Perkins Lane Bridge

Well Depth (feet): 15' Diameter (inches): 2" Perforated Interval: 8.8' = 13.8'

Static Water Level: 3.03' Measuring Point: Above ____ Below X

Measuring Point Description: Top Steel

Measuring Point: Date 7/22/87 Time 1145 Aquifer: CFR - Alluvium

DEVELOPMENT DATA

Date: 7/22/87 Time Started: 1150 Time Finished: 1230 Total Development Time: 40 min

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Dark Brown - Very Turbid At End Light Brown - Fairly Turbid

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes ____ No X

Remarks: Not as much H_{20} at end.

Well No.: CFR-01A

WELL DATA

Project Name: CFR State: MT County: Deer Lodge

Location: T 5N R 9W Sec 5 Tract CCC Well Location (Narrative Desc.): CFR-01A (shallow)

West of Perkins Lane Bridge

Well Depth (feet): 6.0' Diameter (inches): 2" Perforated Interval: 1' - 6.0'

Static Water Level: 3.55' Measuring Point: Above _____ Below _____

Measuring Point Description: Top steel

Measuring Point: Date 7/22/87 Time 1150 Aquifer: CFR

DEVELOPMENT DATA

Date: 7/22/87 Time Started: 1200 Time Finished: 1220 Total Development Time: 20 minutes

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Light Brown - Slightly Turbid At End Fairly Clear

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes _____ No X

Remarks: _____

Well No.: CFR-02

WELL DATA

Project Name: CFR State: MT County: Deer Lodge

Location: T 5N R 9W Sec 6 Tract DDD Well Location (Narrative Desc.): CFR-02 - at Perkins Lane Bridge

Well Depth (feet): 13' Diameter (inches): 2" Perforated Interval: 8' - 13'

Static Water Level: 3.12' Measuring Point: Above _____ Below _____

Measuring Point Description: Top steel

Measuring Point: Date 7/22/87 Time 1050 Aquifer: CFR

DEVELOPMENT DATA

Time Date: 7/22/87 Started: 1050 Finished: 1140 Total Development Time: 50 minutes

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Dark Brown and Very Turbid At End Light Brown - Fair Turbidity

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes _____ No X

Remarks: _____

Well No.: CFR-03

WELL DATA

Project Name: CFR State: MT County: Deer Lodge

Location: T 5N R 9W Sec 18 Tract AAC Well Location (Narrative Desc.): CFR-03 - North of Warm Springs Bridge

Well Depth (feet): 10.0' Diameter (inches): 2" Perforated Interval: 5' - 10'

Static Water Level: 4.04' Measuring Point: Above _____ Below _____

Measuring Point Description: Top Steel

Measuring Point: Date 7/22/87 Time 0945 Aquifer: CFR

DEVELOPMENT DATA

Date: 7/22/87 Time Started: 0945 Time Finished: 1020 Total Development Time: 35 minutes

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Dark Brown and Very Turbid At End Light Gray and Slightly Turbid

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes _____ No X

Remarks: _____

Well No.: CFR-04

WELL DATA

Project Name: CFR State: MT County: Powell

Location: T 6N R 9W Sec 29 Tract DCD Well Location (Narrative Desc.): CFR-04

Well Depth (feet): 9.2' Diameter (inches): 2" Perforated Interval: 4.2' - 9.2'

Static Water Level: 3.27' Measuring Point: Above _____ Below _____

Measuring Point Description: Top Steel

Measuring Point: Date 7/21/87 Time 1710 Aquifer: CFR

DEVELOPMENT DATA

Date: 7/21/87 Time Started: 1710 Time Finished: 1740 Total Development Time: 30 minutes

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Dark Brown and Very Turbid At End Light Brown and Slightly Turbid

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes _____ No _____

Remarks: Plenty of H_2O

Well No.: CFR-05

WELL DATA

Project Name: CFR State: MT County: Powell

Location: T 6N R 9W Sec 29 Tract DCD Well Location (Narrative Desc.): CFR-05 - Located North of Galen Bridge

Well Depth (feet): 9.2' Diameter (inches): 2" Perforated Interval: 4.2' - 9.2'

Static Water Level: 3.93' Measuring Point: Above ____ Below ____

Measuring Point Description: Top Steel

Measuring Point: Date 7/21/87 Time 1620 Aquifer: CFR

DEVELOPMENT DATA

Date: 7/21/87 Time Started: 1625 Time Finished: 1705 Total Development Time: 30 minutes

Estimated Yield at Start: ____ Estimated Yield at End: ____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) ____

Description of Equipment: ____

Development Additives Used: ____

Description of Packer and Surface Seals: ____

Water Color and Turbidity:
At Start Dark Brown - Very Turbid At End Light Brown - Slightly Turbid

Static Water Level After Development: ____

Time After Development Ended ____ SWL ____ Trend ____

Operator: Staley Water Quality Samples Taken: Yes ____ No X

Remarks: Seems to be plenty of H_{20}

Well No.: CFR-07

WELL DATA

Project Name: CFR State: MT County: Powell

Location: T 7N R 9W Sec 9 Tract BDB Well Location (Narrative Desc.): CFR-07 by I-90 on ramp

Well Depth (feet): 9.6' Diameter (inches): 2" Perforated Interval: 4.6' - 9.6'

Static Water Level: 4.23' Measuring Point: Above _____ Below _____

Measuring Point Description: Top Steel

Measuring Point: Date 7/21/87 Time 1435 Aquifer: _____

DEVELOPMENT DATA

Date: 7/21/87 Time Started: 1435 Time Finished: 1510 Total Development Time: 35 minutes

Estimated Yield at Start: _____ Estimated Yield at End: _____

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) _____

Description of Equipment: _____

Development Additives Used: _____

Description of Packer and Surface Seals: _____

Water Color and Turbidity:
At Start Very Dark Brown and Turbid At End Light Brown Fairly Turbid

Static Water Level After Development: _____

Time After Development Ended _____ SWL _____ Trend _____

Operator: Staley Water Quality Samples Taken: Yes _____ No X

Remarks: Plenty of H_2O

Well No.: CFR-08

WELL DATA

Project Name: CFR State: MT County: Powell

Location: T 9N R 9W Sec 33 Tract DDA Well Location (Narrative Desc.): CFR-08

Well Depth (feet): 5.8' Diameter (inches): 2" Perforated Interval: 4.8' - 5.8'

Static Water Level: 3.50' Measuring Point: Above ____ Below ____

Measuring Point Description: Top Steel

Measuring Point: Date 7/21/87 Time 1200 Aquifer: CFR Alluvium

DEVELOPMENT DATA

Date: 7/21/87 Time Started: 1200 Time Finished: 1230 Total Development Time: 30 minutes

Estimated Yield at Start: minimal Estimated Yield at End: minimal

Equipment: Bailer X Sand Pump ____ Compressor ____ Surge Block X Drilling ____

Other (Specify) ____

Description of Equipment: ____

Development Additives Used: ____

Description of Packer and Surface Seals: ____

Water Color and Turbidity:
At Start Dark Brown At End Slightly Turbid

Static Water Level After Development: ____

Time After Development Ended ____ SWL ____ Trend ____

Operator: ____ Water Quality Samples Taken: Yes ____ No X

Remarks: ____

APPENDIX E

GROUNDWATER QUALITY DATA - MONITORING WELLS

CLARK FORK RIVER SCREENING STUDY

APPENDIX E: CLARK FORK RIVER MONITORING WELL WATER QUALITY DATA

07/06/88

PHYSICAL PARAMETERS

STATION	DESCRIPTION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	LAB NUMBER	SAMPLING METHOD	Static Water Level (FT)	Water Temperature (C)	Field pH	Field Eh (mV)	Specific Conductance (u mhos/cm)	Dissolved Oxygen (mg/L)
MW-01	E. PERKINS LANE	N	07-23-87	1315	8-61526 to 28	Bailer	3.10	11.5	7.1	+120	537	1.6
MW-01	E. PERKINS LANE	BB	07-23-87	1330	8-61529 to 531							
MW-01A	E. PERKINS LANE	N	07-23-87	1430	8-61532 to 534	Bailer	3.50	13.0	7.0	+70	537	0.80
MW-02	@ PERKINS LANE	BFS	07-23-87	1600	8-61538 to 541							
MW-02	@ PERKINS LANE	N	07-23-87	1615	8-61535 to 537		3.45	11	7.1	-50	501	1.9
MW-03	N. WARM SPRINGS	N	07-23-87	1020	8-61520 to 22	Bailer	4.07	11.0	7.3	-30	505	0.8
MW-03	N. WARM SPRINGS	R	07-23-87	1045	8-61523 to 25	Bailer		11	7.3	-50	493	0.8
MW-04	E. GALEN BR.	N	07-24-87	1400	8-60142 to 144	Bailer	3.40	16	7.1	+60	1020	1.3
MW-04	E. GALEN BR.	BFS	07-24-87	1415	8-60145 to 148							
MW-04	E. GALEN BR.	R	07-24-87	1445	8-61251 to 253	Bailer		17	6.8	+200	1060	1.3
MW-04	E. GALEN BR.	CCB	07-24-87	1500	8-61254 to 256	Bailer		27.0	5.4	+95	8	7.8
MW-05	GALEN BR.	N	07-23-87	1750	8-61542 to 544	Bailer	3.95	13	6.9	+200	557	2.7
MW-05	GALEN BR.	CCB	07-23-87	1830	8-61545 to 547	Bailer		25	5.2	+310	1.6	8.2
MW-06	JUNK YARD	N	07-22-87	1840	8-61517 to 519	Bailer	5.0	14.0	7.4	+240	390	9.5
MW-07	S. DEER LODGE	N	07-22-87	1515	8-61501 to 503	Bailer	4.28	13.0	7.6	+180	467	8.7
MW-07	S. DEER LODGE	BB	07-22-87	1530	8-61504 to 506							
MW-07	S. DEER LODGE	BFS	07-22-87	1600	8-61507 to 510							
MW-07	S. DEER LODGE	R	07-22-87	1645	8-61511 to 513	Bailer		14.0	7.6	+250	524	9.0
MW-07	S. DEER LODGE	CCB	07-22-87	1715	8-61514 to 516			25.0	6.1	+160	0	5.9
MW-08	N. DEER LODGE	N	07-24-87	1045	8-60136 to 138	Bailer	3.55	13.5	6.8	+50	459	1.8
MW-08	N. DEER LODGE	BB	07-24-87	1130	8-60139 to 141							

NOTES:
1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX E: continued 07/06/88

METALS DATA:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Arsenic Dissolved	Arsenic Total	Cadmium Dissolved	Cadmium Total	Copper Dissolved	Copper Total	Iron Dissolved	Iron Total
MW-01	N	07-23-87	1315	6 B		5 U		10 B		20 U	
MW-01	BB	07-23-87	1330	1 U		5 U		10 U		20 B	
MW-01A	N	07-23-87	1430	B B		5 U		10 U		20 U	
MW-02	BFS	07-23-87	1600		57		127		220		210
MW-02	N	07-23-87	1615	6 B		5		10 U		B20	
MW-03	N	07-23-87	1020	12		6		10 U		250	
MW-03	R	07-23-87	1045	12		5 U		10 U		2B0	
MW-04	N	07-24-87	1400	170		11		410		40 B	
MW-04	BFS	07-24-87	1415		58		12B		220		200
MW-04	R	07-24-87	1445	170		11		450		20 U	
MW-04	CCB	07-24-87	1500	1 U		5 U		10 U		20 U	
MW-05	N	07-23-87	1750	21		6		120		20 U	
MW-05	CCB	07-23-87	1B30	1 B		5 U		10 U		20 U	
MW-06	N	07-22-87	1B40	4 8		6		60		20 U	
MW-07	N	07-22-87	1515	4 B		5 U		10 U		20 U	
MW-07	BB	07-22-87	1530	1 U		5 U		10 U		20 U	
MW-07	BFS	07-22-87	1600		56		129		230		210
MW-07	R	07-22-87	1645	3 B		9		10 B		20 U	
MW-07	CCB	07-22-87	1715		1 U		5 U		10 8		20 U
MW-08	N	07-24-87	1045	19		5 U		10 U		320	
MW-08	BB	07-24-87	1130	1 U		5 U		10 U		20 U	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, BFS = blind field standard, WB = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection limit, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX E: continued 07/06/88

METALS DATA: cont'd COMMON IONS:

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Lead Dissolved	Lead Total	Manganese Dissolved	Manganese Total	Zinc Dissolved	Zinc Total	Calcium Dissolved (mg/L)	Calcium Total (mg/L)
MW-01	N	07-23-87	1315	1 U		210		40		95	
MW-01	8B	07-23-87	1330	1 U		10 U		30		<1	
MW-01A	N	07-23-87	1430	1 U		320		40		99	
MW-02	BFS	07-23-87	1600		115		160		270	69	<1
MW-02	N	07-23-87	1615	1 U		170		20		94	
MW-03	N	07-23-87	1020	1 U		10B0		110		79	
MW-03	R	07-23-87	1045	1 U		10B0		110		76	
MW-04	N	07-24-87	1400	1 U		130		760		142	
MW-04	BFS	07-24-87	1415		110		160		270	69	<1
MW-04	R	07-24-87	1445	1 B		130		740		147	
MW-04	CCB	07-24-87	1500	1 U		10 U		10 U		1	
MW-05	N	07-23-87	1750	1 B		190		740		93	
MW-05	CCB	07-23-87	1830	1 U		10 U		10 U		<1	
MW-06	N	07-22-87	1840	1 U		B0		140		53	
MW-07	N	07-22-87	1515	1 U		10 B		40		65	
MW-07	BB	07-22-87	1530	1 U		10 U		10 U			
MW-07	BFS	07-22-87	1600		113		160		260	70	<1
MW-07	R	07-22-87	1645	1 U		10 U		60		61	
MW-07	CCB	07-22-87	1715		1 U		10 U		40	<1	
MW-0B	N	07-24-87	1045	1 U		2B70		500		70	
MW-0B	B8	07-24-87	1130	1 U		10 U		10 U		<1	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, KB = Kimwipe blank, 8FS = blind field standard, W8 = water blank, BB = bottle blank, CCB = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicated parameters not determined or not reported.

APPENDIX E: continued 07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Magnesium Dissolved (mg/L)	Magnesium Total (mg/L)	Potassium Dissolved (mg/L)	Potassium Total (mg/L)	Sodium Dissolved (mg/L)	Sodium Total (mg/L)	Alkalinity Total (mg/L)	Hardness Dissolved (mg/L)	Hardness Total as CaCO3 (mg/L)
MW-01	N	07-23-87	1315	13		4		13		96	291	
MW-01	88	07-23-87	1330	<1		<1		<1		4	<7	
MW-01A	N	07-23-87	1430	16		4		13		142	313	
MW-02	8FS	07-23-87	1600	29	<1	155	<1	249	<1	170	291	<7
MW-02	N	07-23-87	1615	17		3		14		144	305	
MW-03	N	07-23-87	1020	19		3		19		164	275	
MW-03	R	07-23-87	1045	18		3		19		146	264	
MW-04	N	07-24-87	1400	44		6		53		254	535	
MW-04	8FS	07-24-87	1415	30	<1	150	<1	255	<1	170	296	<7
MW-04	R	07-24-87	1445	45		7		52		254	552	
MW-04	CC8	07-24-87	1500	<1		<1		<1		2	<2	
MW-05	N	07-23-87	1750	18		7		25		150	306	
MW-05	CC8	07-23-87	1830	<1		<1		2		4	<7	
MW-06	N	07-22-87	1840	9		7		16		168	169	
MW-07	N	07-22-87	1515	12		7		37		218	212	
MW-07	88	07-22-87	1530	<1		<1		<1		2		
MW-07	8FS	07-22-87	1600	30	<1	155	<1	257	<1	172	298	<7
MW-07	R	07-22-87	1645	11		7		38		218	198	
MW-07	CC8	07-22-87	1715	<1		<1		<1		2	<7	
MW-08	N	07-24-87	1045	13		3		17		118	228	
MW-08	88	07-24-87	1130	<1		<1		2		8	<7	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, 8 = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = values useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected (The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX E: continued

07/06/88

COMMON IONS: cont'd

STATION	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	COMMENTS
MW-01	N	07-23-87	1315	2	0.8	0.05	56	
MW-01	88	07-23-87	1330	<1	0.2	<0.02	<2	
MW-01A	N	07-23-87	1430	11	0.9	<0.02	181	
MW-02	8FS	07-23-87	1600	257	10	4.76	154	
MW-02	N	07-23-87	1615	12	0.8	0.03	185	
MW-03	N	07-23-87	1020	5	1	<0.02	62	
MW-03	R	07-23-87	1045	4	1.1	<0.02		
MW-04	N	07-24-87	1400	37	0.9	3.52	344	
MW-04	8FS	07-24-87	1415	252	10	4.80	161	
MW-04	R	07-24-87	1445	37	0.9	3.46	344	
MW-04	CC8	07-24-87	1500	1	0.2	<0.02	2	
MW-05	N	07-23-87	1750	15	0.7	0.47	198	
MW-05	CC8	07-23-87	1830	1	0.3	<0.02	2	
MW-06	N	07-22-87	1840	13	0.9	1.15	43	
MW-07	N	07-22-87	1515	13	0.6	1.30	41	
MW-07	8B	07-22-87	1530	<1	0.2	0.03	2	
MW-07	8FS	07-22-87	1600	258	10	4.84	159	
MW-07	R	07-22-87	1645	13	0.9	1.61	45	
MW-07	CC8	07-22-87	1715	1	0.4	<0.02	<2	
MW-08	N	07-24-87	1045	2	1.7	0.02		
MW-08	88	07-24-87	1130	<1	0.3	<0.02	<2	

NOTES: 1) Units are ug/L unless otherwise noted.
2) Sample types are defined as: N = natural sample, R = replicate, K8 = Kimwipe blank, 8FS = blind field standard, W8 = water blank, 88 = bottle blank, CC8 = cross contamination blank.
3) Data-quality analysis codes are defined as: < = less than detection, B = value greater or equal to instrument detection limit but less than contract detection limit, D = duplicate analysis was not within control limits, E = value estimated or not reported due to interference, I = no laboratory spike was determined, J = value useful only as estimate because quality control criteria were not met, L = correlation coefficient for method of standard addition was < 0.995, M = duplicate furnace injections > 20 RPD, N = spike sample recovery was not within control limits, R = value unuseable because quality control criteria were not met, S = value determined by method of standard addition, U = element analyzed for but not detected, <The instrument detection limit is reported.), UJ = detection limit value useful only as an estimate because quality control criteria were not met.
4) Blank values indicate parameters not determined or not reported.

APPENDIX F

LOCATIONS OF AND DIRECTIONS TO SOIL SAMPLING SITES

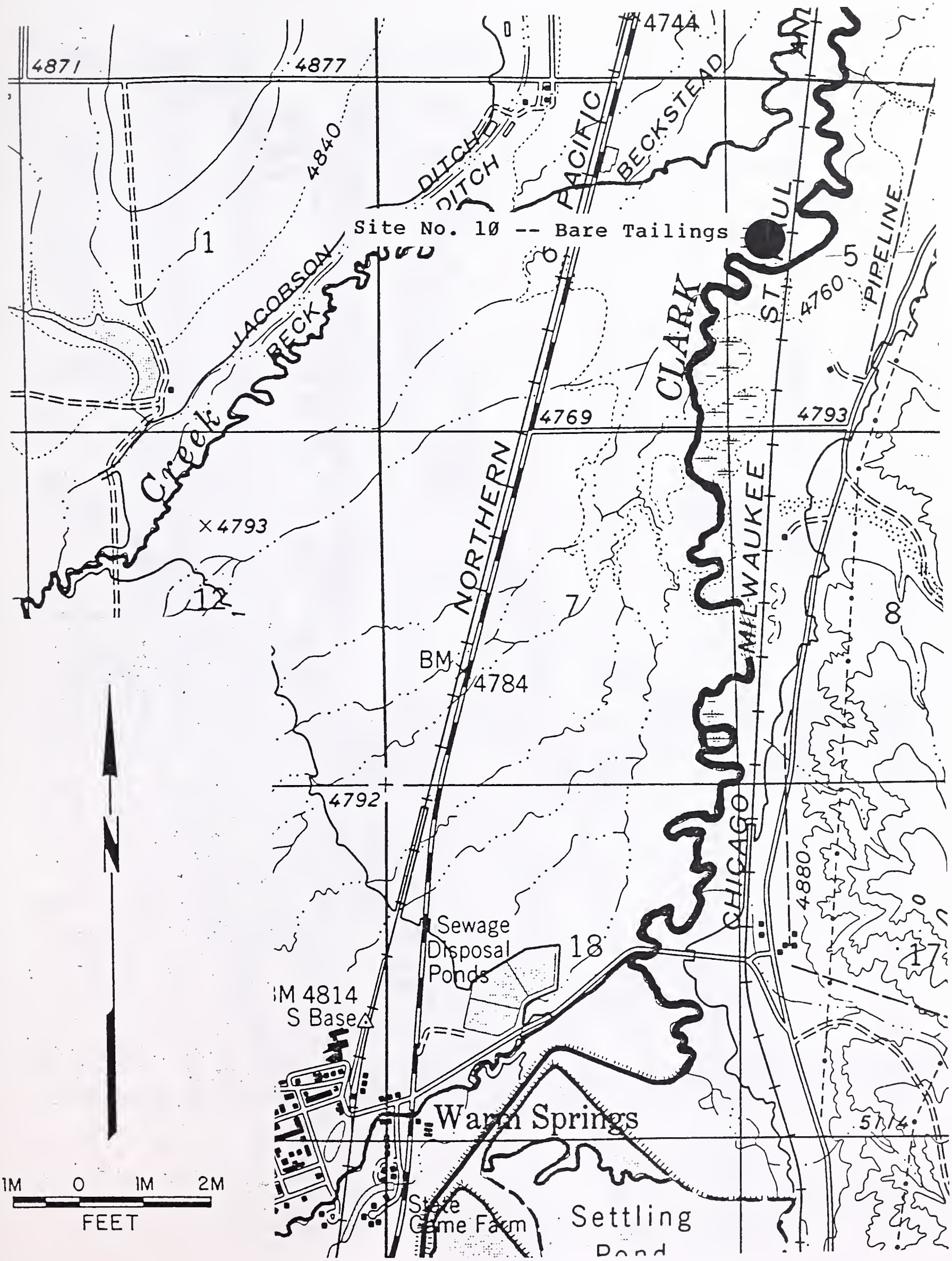
CLARK FORK RIVER SCREENING STUDY

Table A-1. Location and directions to each sampling site, CFRSS.

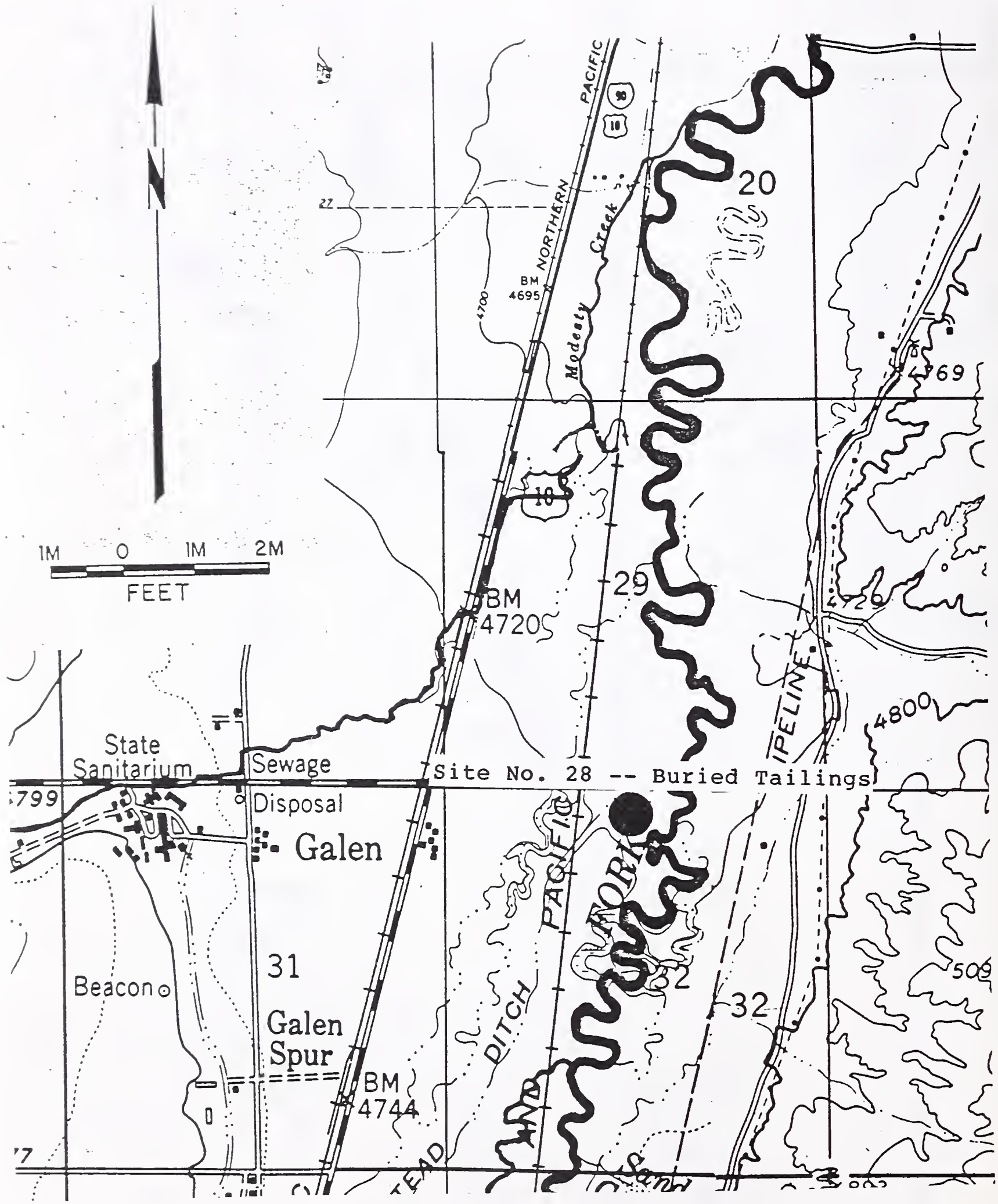
Site	Location (legal)	Direction
Ø4	Ø.75 miles southeast of Garrison Junction (NW 1/4, NE 1/4, Sec. 25, T9N, R1ØW)	From the general store in Garrison, proceed west on frontage road, go under I-9Ø overpass and make the first left. Proceed over tracks and continue on, crossing the Clark Fork River. After crossing the river, turn east onto abandoned railroad right-of-way. Continue along right-of-way for about Ø.6 miles.
Ø9	approximately 4.5 miles south of Deer Lodge (SE 1/4, SE 1/4, Sec. 23, T7N, R9W)	Take the frontage road south from Deer Lodge for approximately 4.5 miles; go east on county road at Demsey Creek; cross under I-9Ø; go across Clark Fork River; turn right at intersection with other county road at "T". Proceed for about Ø.2 miles. Site Ø9 is hay field adjacent to road (to the west).
1Ø	2.5 miles north of Warm Springs (SW 1/4, NW 1/4, Sec. 5, T5N, R9W)	From the town of Warm Springs, proceed east on county road, cross the Clark Fork River and make left turn at intersection with other county road (@ the "T"). Proceed north for about 1.5 miles, turn left (west) on county road and proceed for about Ø.25 miles. Make right turn (north) onto abandoned railroad right-of-way. Continue north crossing the Clark Fork River. Site is located about 4ØØ feet west of road just after you cross the bridge.
12	1.Ø mile south of Deer Lodge (SW 1/4, NE 1/4, Sec. 9, T7N, R8W)	Site is easily accessible from I-9Ø. Site is located 3ØØ feet east of I-9Ø, just north of the southern interchange leading into Deer Lodge.
14	approximately 3.Ø miles southeast of Drummond (NW 1/4, SW 1/4, Sec. 9, T1ØN, R12W)	From Drummond, proceed south on county road for about 2.25 miles, turn east onto dirt road and continue on for about 2.5 miles. This road will bring you down onto irrigate pastureland. Site 14 lies about 5ØØ feet west of this road as you come into the hay fields.

Table A-1. Continued.

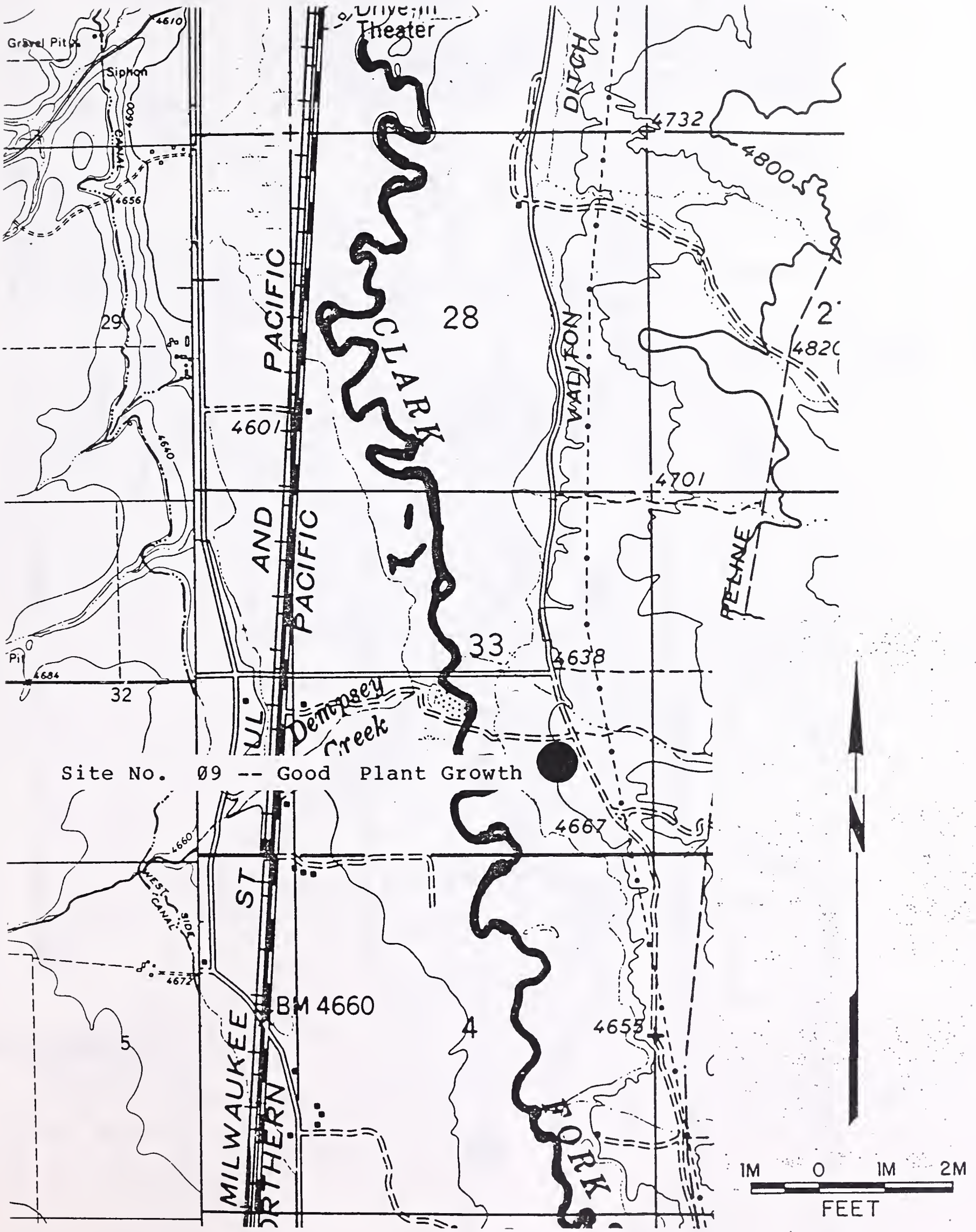
Site	Location (legal)	Direction
15	same as site 14	Site 15 lies just north of site 14 (on the northern side of the irrigation ditch.
22	about Ø.3 miles north of the town of Gold Creek (SW 1/4, SW 1/4, Sec. 25, T1ØN, R11W)	Exit I-9Ø at Gold Creek, proceed south on county road. Site is located in first hay field to your right after you cross the Clark Fork River.
24	about 2.Ø miles south-east of Garrison (NE 1/4, SE 1/4, Sec. 3Ø, T9N, R9W)	From Garrison, proceed south on I-9Ø for about 2.Ø miles. Site is located on bare tailings between I-9Ø and the Clark Fork River.
25	about 2.75 miles south of Deer Lodge (SW 1/4, NE 1/4, Sec. 21, T7N, R9W)	From Deer Lodge, proceed south on county road that parallels the Clark Fork River on the eastern side. Proceed for about 2.75 miles. Site is west of road in nearly barren field.
27	about Ø.6 miles south of Deer Lodge (SE 1/4, SW 1/4, Sec. 4, T7N, R8W)	Proceed south from Deer Lodge (from northern entrance) on I-9Ø. Site is located about 2ØØ feet west of high-way about Ø.5 miles before you get to the southern Deer Lodge exit.
28	about Ø.75 miles east of Galen (NE 1/4, NW 1/4, Sec. 32, T6N, R9W)	Proceed east from Galen on county road. Go under I-9Ø and past abandoned railroad right-of-way. Site is located adjacent to the road on the southern side, in the second pasture after passing the old right-of-way.
3Ø	about 5.5 miles north of Deer Lodge (NW 1/4, NE 1/4, Sec. 4, T8N, R9W)	Proceed north from Deer Lodge on county road adja-cent to the Clark Fork River for about 4.5 miles. Turn left onto road toward the Rock Creek Ranch. After crossing the river, turn north onto abandoned right-of-way. Proceed for about Ø.75 miles. Site is located about 2ØØ feet to the east, between the right-of-way and the river.



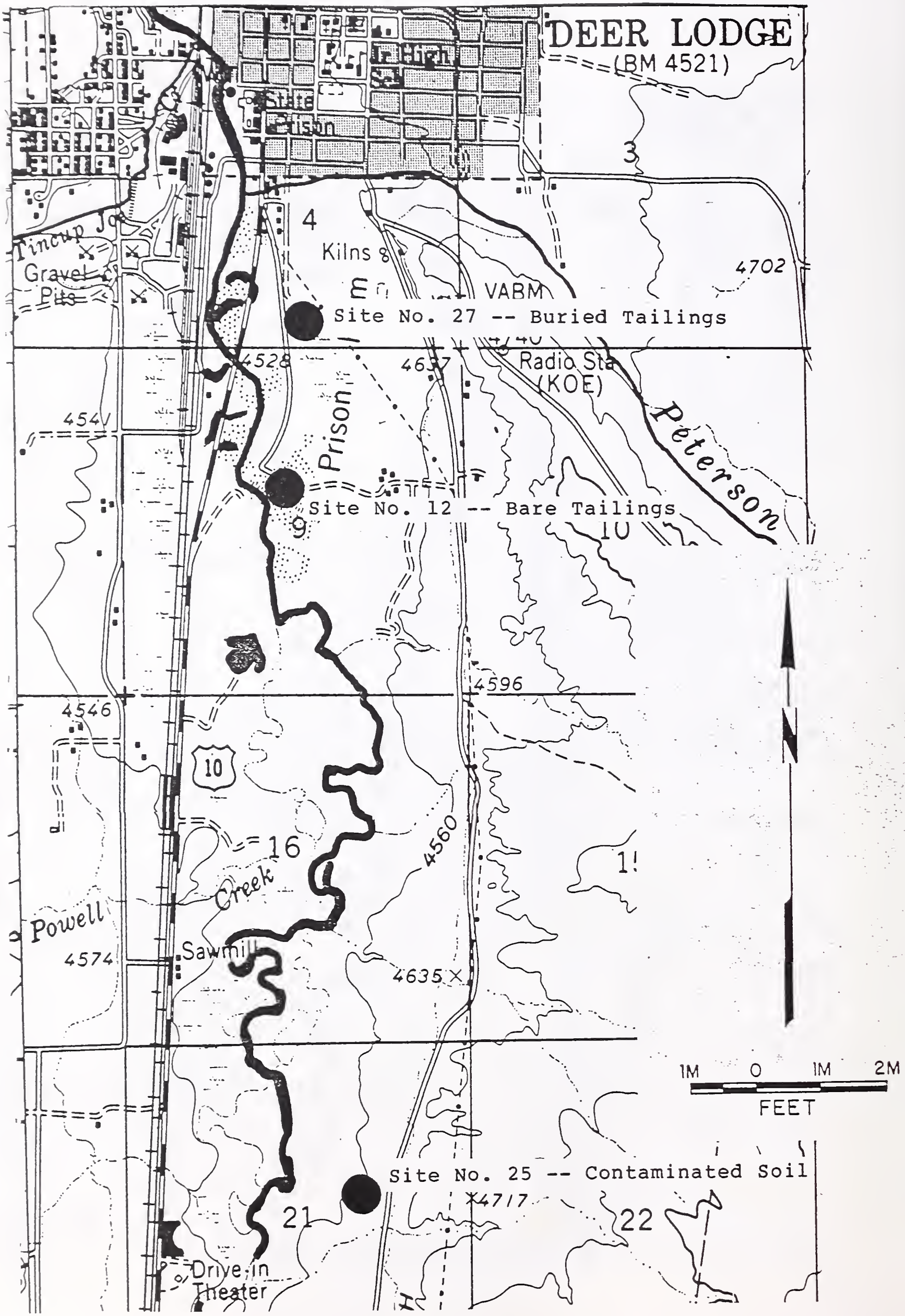
Site No. 10 -- Bare Tailings
4871
4877
4744
4840
DITCH
DITCH
PACIFIC
BECKSTEAD
JACOBSON
BECK
Creek
CLARK
ST PAUL
PIPELINE
4760
4769
4793
NORTHERN
MILWAUKEE
CHICAGO
4880
×4793
BM
4784
4792
Sewage
Disposal
Ponds
BM 4814
S Base
Warm Springs
State
Game Farm
Settling
Pond
1
5
6
7
8
12
17
18
1M 0 1M 2M
FEET

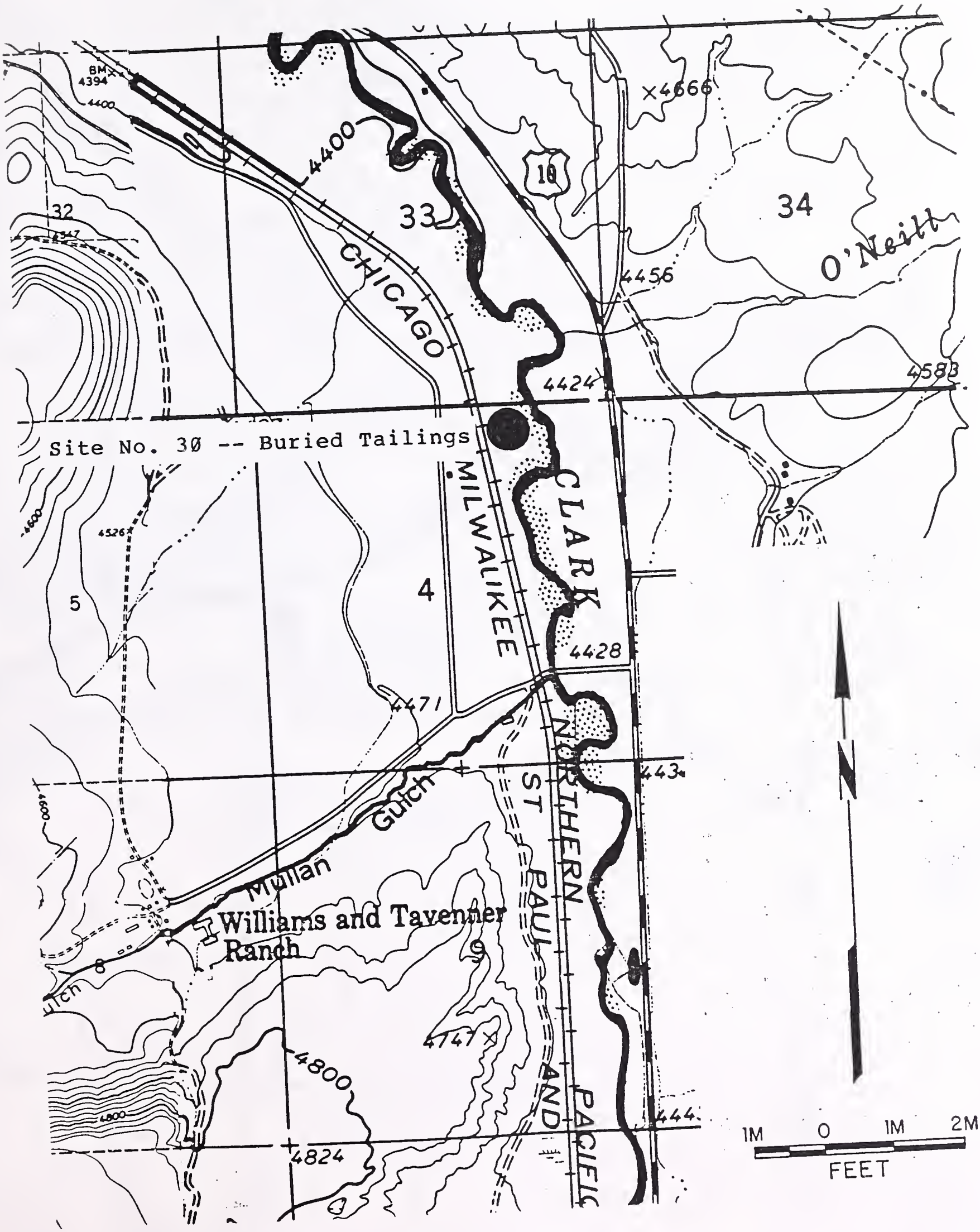


N
1M 0 1M 2M
FEET
NORTHERN PACIFIC
Modesty Creek
BM 4695
4700
20
29
BM 4720
State Sanitarium
Sewage Disposal
Site No. 28 -- Buried Tailings
Galen
Beacon
31
Galen Spur
BM 4744
DITCH
PACIFIC
FORK
32
4800
4769
4729
509

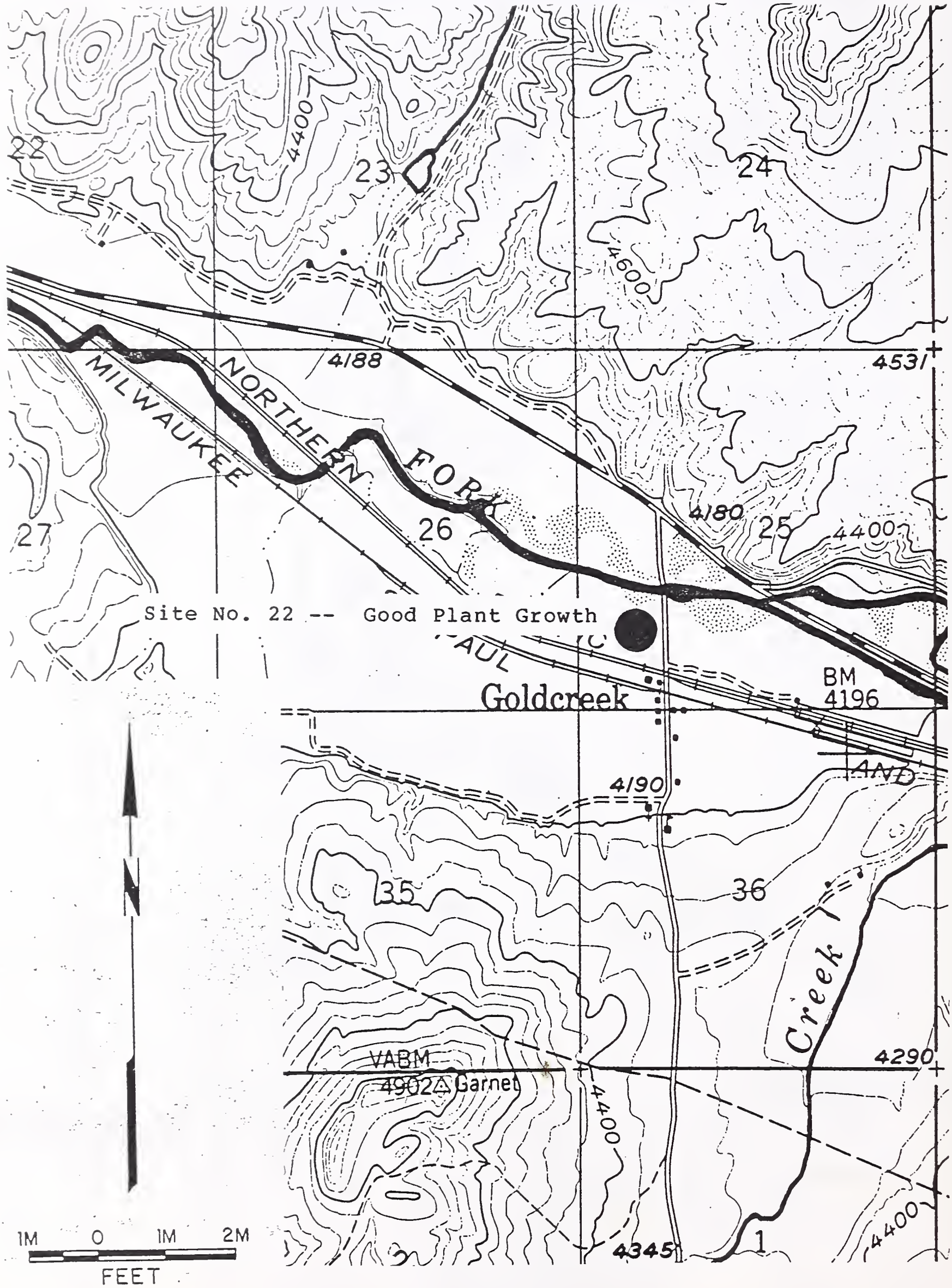


Site No. Ø9 -- Good Plant Growth


DEER LODGE
(BM 4521)
State Prison
3
4
Kilns
4702
VABM
Site No. 27 -- Buried Tailings
4528
4637
Radio Sta
(KOE)
Tincup Jo
Gravel
Pits
454V
Prison
Peterson
Site No. 12 -- Bare Tailings
9
10
4596
4546
10
16
Creek
4560
Powell
4574
Sawmill
4635
1M 0 1M 2M
FEET
Site No. 25 -- Contaminated Soil
4717
21
22
Drive-in
Theater



Site No. 30 -- Buried Tailings
CHICAGO
MILWAUKEE
CLARK
NORTHERN
ST PAUL
AND
PACIFIC
O'Neill
Mullan
Gulch
Williams and Tavenner
Ranch
10
33
34
32
4
5
8
9
4400
4456
4424
4583
4666
4428
4471
4747
4800
4824
4526
4394
BM
N
1M
0
1M
2M
FEET


22
23
24
4400
4600
4188
4531
MILWAUKEE
NORTHERN
FORK
27
26
4180
25
4400
Site No. 22 -- Good Plant Growth
PAUL
Goldcreek
BM
4196
AND
4190
35
36
Creek
VABM
4902 Garnet
4290
4400
4345
1
4400
1M
0
1M
2M
FEET

Drummond
BM 3948
31
3
1M 0 1M 2M
FEET
BM
3960
Fairground
4105
3994
ALT
10
CHICAGO
PACIFIC
4207
10
6
5
4012
MILWAUKEE
3992
4
4000
Site No. 15 -- Historically Irrigated
8
Site No. 14 -- Good Plant Growth
12
Creek
BM 4036
4008
4017
Valley
Cem
New
Chicago
Gravel
Pit
18
17
4103

APPENDIX G

SOILS LABORATORY DATA

CLARK FORK RIVER SCREENING STUDY

Table G-1. Soil laboratory data: Site 4 (Buried Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
0S - 0E	0 - 2	3	5.9	1.7	620	3060	23600	416	1660
100N - 100E	0 - 2	4	5.9	3.7	620	4930	25800	418	3700
100N - 100E	4 - 6	3	5.6	4.2	1460	7570	30400	711	3500
100N - 100E	10 - 15	3	7.8	3.8	48.9	177	20600	27	217
200N - 100E	5 - 8	3	7.2	1.5	113	628	18200	99	1400
0N - 200E	5 - 8	3	7.8	5.7	82.4	728	18000	63	841
0N - 300E	4 - 6	3	7.8	5.8	81.9	501	18000	49	333
0N - 400E	4.5 - 6	3	7.3	2.4	1000	8200	27400	541	5310
100N - 300E	0 - 2	4	7.5	2.7	370	2470	24200	259	2960
100N - 300E	2 - 4	1	7.3	3.8	520	3420	20600	299	3080
100N - 300E	4 - 6	3	7.7	4.7	1010	7320	25400	442	3710
250S - 400E	0 - 1	3	7.8	6.8	510	2830	25000	419	3770
250S - 400E	3 - 5	3	7.7	9.9	62.5	458	19400	53	474
350S - 500E	0 - 2	4	7.4	2.4	140	1990	20400	315	2220
250S - 200E	0 - 2	4	7.8	5.9	340	2870	20400	241	2170
250S - 0E	0 - 3	NR	7.9	2.9	630	3940	31200	534	4610
250S - 0E	5 - 8	3	7.7	1.5	81.6	544	21000	74	468
100S - 400E	0 - 2	3	6.7	3.5	330	3270	22200	297	2580
100S - 400E	3.5 - 8	4	7.5	5.4	188	2940	18400	128	1890
90S - 300E	4 - 10	3	7.6	3.2	540	5180	23800	369	3480

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water; NR Not Recorded

Table G-2. Soil laboratory data: Site 9 (Good Plant Growth), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
900N - 200W	0 - 2	3	6.9	3.7	35.2	210	20400	37	117
900N - 200W	8 - 12	3	6.0	0.7	47.2	177	21000	32	92.0
900N - 200W	18 - 24	3	7.7	1.0	8.1	14.0	20600	17	38.0
700N - 200W	0 - 2	3	6.7	3.7	29.3	163	21400	22	110
500N - 200W	0 - 2	5	6.7	4.0	30.7	139	22600	26	99.0
400N - 200W	0 - 2	5	6.8	5.3	24.8	124	18800	23	94.0
100N - 200W	0 - 2	3	6.9	4.8	37.1	173	18200	31	119
0N - 100W	0 - 2	3	7.1	4.2	28.6	192	22200	31	129
200N - 100W	0 - 2	3	6.8	5.4	20.3	105	18000	25	114
300N - 100W	0 - 2	3	6.7	7.1	30.2	164	22000	36	133
500N - 100W	0 - 2	3	6.9	5.0	28.2	157	19200	32	126
700N - 100W	0 - 2	3	6.6	3.4	51.8	350	20200	41	148
800N - 100W	8 - 12	3	6.4	0.6	23.6	52.0	2500	15	65.0
900N - 100W	0 - 2	3	6.7	4.3	42.4	257	22200	31	133
800N - 0W	0 - 2	5	6.8	3.2	46.7	265	22200	36	138
600N - 0W	0 - 2	5	6.7	4.0	20.4	136	19000	27	127
500N - 0W	2 - 8	3	6.6	0.9	36.2	158	20400	23	108
400N - 0W	0 - 2	3	6.6	3.3	38.9	242	20000	38	154
200N - 0W	0 - 2	3	6.8	4.5	28.8	201	18800	36	172
100N - 0W	0 - 2	3	6.5	6.2	35.0	253	20000	49	199

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-3. Soil laboratory data: Site 10 (Bare Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
175S - 175E	0 - 2	2	6.9	2.4	420	2370	30600	354	2670
175S - 120E	.5 - 1.5	4	6.8	3.0	470	2230	26200	338	1810
175S - 175E	2 - 4	2	4.9	2.3	270	2650	37800	280	2640
175S - 60E	1 - 4	1	5.0	3.0	550	5920	44200	443	2360
0N - 60E	0 - 1.5	1	3.9	6.8	320	1490	10800	258	541
60S - 60W	0 - 1.5	1	3.8	13.9	210	1500	8200	217	813
60S - 60E	0 - 1.5	1	3.7	13.6	340	3830	11800	304	1360
60S - 175E	0 - 1.5	2	4.3	1.8	560	3490	37400	520	3160
175N - 60E	0 - 1.5	2	4.3	20.0	530	1370	11000	377	695
175N - 60W	0 - 1.5	2	5.4	4.5	350	710	13000	389	506
420N - 75E	0 - 1.5	1	5.4	2.7	1340	7720	27800	991	2330
300N - 175W	12 - 16	1	6.3	3.2	440	1410	14800	367	886
175N - 175W	0 - 1.5	1	3.8	0.8	1310	2060	22800	1030	433
60N - 420E	0 - 1.5	2	5.0	3.9	500	3810	19000	461	2070
120S - 175E	0 - 1.5	2	7.2	2.6	590	2930	30600	485	2436
120S - 0E	9 - 11	1	3.5	4.2	1770	1950	27600	637	1740
120S - 60W	0 - 1.5	2	4.6	4.1	460	1020	13200	320	400
0N - 175W	0 - 1.5	1	4.8	5.8	640	2760	16600	381	1030
60N - 175W	0 - 1.5	2	5.0	12.2	570	1670	14600	359	702
120N - 175W	0 - 1.5	NR	---	---	320	6140	12000	337	2920

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water; NR Not Recorded

Table G-4. Soil laboratory data: Site 12 (Bare Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
800N - 100W	16 - 20	1	6.0	0.8	23.6	96.0	15400	18.0	627
800N - 100E	0 - 1.5	1	4.7	24.8	780	7940	23600	473	5540
700N - 100E	0 - 1.5	1	4.6	19.2	370	3050	13000	310	1390
700N - 200E	0 - 1.5	1	4.9	17.6	280	4550	22600	241	4630
700N - 300E	0 - 1.5	4	7.6	3.3	370	1330	18000	384	1440
600N - 0E	0 - 1.5	1	5.4	1.4	740	2250	27000	730	975
600N - 100W	0 - 1.5	1	4.5	4.9	480	2670	19200	449	1040
400N - 200W	0 - 1.5	2	7.1	2.1	610	8160	21400	1170	2490
400N - 0E	5 - 8	2	6.0	0.7	180	183	11600	178	515
400N - 100E	0 - 1.5	1	4.7	9.6	370	4090	16200	292	1860
500N - 200E	0 - 1.5	2	5.3	1.3	330	1490	17000	251	802
300N - 200E	0 - 1.5	1	6.2	7.3	500	5600	17200	457	2720
400N - 200E	0 - 1.5	1	4.7	3.5	1100	2530	26600	684	2350
300N - 100E	0 - 1.5	1	4.8	13.6	290	1970	13800	245	1790
300N - 0E	0 - 1.5	2	6.5	1.4	870	6730	29600	1330	2670
200N - 170W	0 - 1.5	1	5.1	3.2	366	1820	16400	390	827
200N - 200E	0 - 1.5	2	5.3	1.3	320	2140	15000	400	815
100N - 0E	0 - 1.5	1	4.7	7.3	320	2260	13200	341	973
0N - 100E	2 - 3	1	5.3	3.8	115	87100	11600	188	13300
100N - 190W	0 - 1.5	2	5.4	5.3	230	383	19000	393	1360

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-5. Soil laboratory data: Site 14 (Good Plant Growth), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (μg/g)	Cu (μg/g)	Fe (μg/g)	Pb (μg/g)	Zn (μg/g)
200S - 200E	0 - 2	3	6.9	0.8	12.3	63	20600	24	184
200S - 100E	0 - 2	3	6.7	0.8	9.6	31	21800	17	84
200S - 100W	0 - 2	3	6.9	1.1	7.4	36	18400	16	85
200S - 300W	0 - 2	3	7.0	1.1	8.2	35	21600	16	97
300S - 200W	0 - 2	3	6.9	1.1	9.8	34	20200	15	79
300S - 0W	0 - 2	3	7.1	0.8	8.9	31	20800	17	78
300S - 200E	0 - 2	3	6.9	0.7	8.6	23	18800	16	79
400S - 200E	0 - 2	3	7.4	1.1	9.6	35	18200	23	87
400S - 100E	0 - 2	3	6.9	0.7	6.7	25	19200	14	75
400S - 100W	0 - 2	3	7.2	0.8	7.6	28	19200	15	75
400S - 300W	0 - 2	3	7.3	0.7	9.3	26	19200	14	68
500S - 400W	0 - 2	3	7.2	0.8	7.4	22	16800	13	64
500S - 0W	0 - 2	3	6.9	1.8	30.6	27	19000	16	73
500S - 0W	2 - 12	3	7.2	0.6	33.6	18	19600	12	56
500S - 0W	12 - 22	3	7.3	0.5	27.7	13	18800	11	47
500S - 0W	22 - 32	3	7.4	0.6	29.2	15	19400	10	52
500S - 200W	0 - 2	3	7.1	0.8	31.6	24	18200	13	66
600S - 100W	0 - 2	3	7.2	0.8	7.6	28	19200	15	75
600S - 100E	0 - 2	3	7.2	1.3	28.1	32	17800	16	127
600S - 200E	0 - 2	3	7.1	0.8	31.7	30	18600	16	84

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-6. Soil laboratory data: Site 15 (Historically Irrigated), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
0N - 400E	0 - 2	6	6.8	1.2	90.8	1480	22600	184	1540
0N - 200E	0 - 2	6	6.9	1.3	120	2070	25200	212	3830
100N - 200E	0 - 2	6	6.8	1.5	83.8	712	22600	110	946
100N - 100E	4 - 10	6	6.8	0.3	73.6	893	22800	136	831
0N - 0E	0 - 2	6	7.1	1.1	116	1840	26200	188	3910
0N - 0E	4 - 10	6	6.8	0.5	114	1850	25200	203	3200
0N - 0E	10 - 15	6	6.9	0.3	69.9	1260	24000	145	756
100N - 100W	0 - 2	6	6.6	1.0	57.6	1040	24200	160	1280
0N - 200W	0 - 2	6	7.0	1.1	64.6	1040	22400	142	1570
100N - 300W	0 - 2	6	6.8	1.3	57.9	1010	24200	148	861
0N - 400W	0 - 2	6	7.0	0.8	85.9	1340	24400	158	1731
100S - 400W	0 - 2	6	7.1	1.5	180	2360	26000	229	3310
100S - 500W	0 - 2	6	7.2	0.6	150	2690	26000	288	2510
100S - 500W	4 - 10	6	6.8	0.4	150	2550	24600	253	1890
100S - 500W	10 - 15	6	6.7	0.4	78.8	821	23000	90	905
200S - 600W	4 - 10	6	6.7	0.4	170	2160	27000	272	3450
200S - 700W	0 - 2	6	6.9	0.8	65.7	1090	24800	136	945
100S - 700W	0 - 2	6	7.0	1.0	83.4	1530	25800	176	1220
0N - 600W	0 - 2	6	7.1	0.4	100	1700	24200	188	1330
0N - 600W	4 - 10	6	6.6	0.3	100	1300	25000	177	1340

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-7. Soil laboratory data: Site 22 (Good Plant Growth), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (μg/g)	Cu (μg/g)	Fe (μg/g)	Pb (μg/g)	Zn (μg/g)
0N - 0W	0 - 2	3	6.4	1.3	16.1	252	17800	61	226
0N - 100W	6 - 10	3	7.1	0.7	43.2	246	20600	52	186
0N - 200W	0 - 2	3	6.1	0.8	20.2	177	20800	45	206
0N - 300W	6 - 10	3	7.3	0.7	14.4	57	21200	23	138
0N - 400W	0 - 2	3	6.5	1.2	33.1	236	18400	56	460
0N - 500W	0 - 2	3	6.4	0.6	25.3	193	20000	46	284
0N - 700W	0 - 2	3	6.5	1.1	23.9	109	14200	51	245
0N - 900W	0 - 2	3	6.8	0.9	34.7	232	18200	49	689
100N - 1000W	6 - 10	3	6.1	0.4	36.7	210	14400	40	229
100N - 800W	0 - 2	3	6.1	0.8	26.9	217	19600	51	522
100N - 600W	6 - 10	3	6.1	0.4	10.6	28	19200	17	70
100N - 400W	0 - 2	3	6.7	0.9	27.0	177	17800	42	278
100N - 200W	0 - 2	3	6.4	0.8	31.6	310	20000	57	393
100N - 0W	0 - 2	3	6.3	0.6	28.8	257	21100	59	213
200N - 500W	0 - 2	3	6.8	3.1	43.5	315	20800	59	465
200N - 700W	0 - 2	3	6.4	0.7	38.4	353	20600	58	444
200N - 900W	0 - 2	3	7.0	0.8	42.4	474	19800	62	504
300N - 800W	0 - 2	3	7.1	0.9	52.7	380	16200	67	860
300N - 600W	0 - 2	3	7.1	0.6	83.4	652	19200	89	837
300N - 500W	6 - 10	3	7.4	0.7	77.1	428	21400	56	337

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-8. Soil laboratory data: Site 24 (Bare Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
0S - 200W	0 - 2	1	4.2	4.4	1620	2070	32200	870	2270
0S - 100W	0 - 2	2	8.0	3.5	320	1630	19600	241	1400
65S - 0W	0 - 2	1	4.0	4.9	290	916	11400	293	426
150S - 0W	0 - 2	1	4.3	10.6	520	1320	21800	417	1160
150S - 0W	9 - 11	1	7.3	3.1	900	2980	29000	1380	1780
150S - 0W	11 - 13	1	5.7	1.9	38	6660	20600	85	1270
200S - 100W	0 - 2	1	4.0	3.7	520	863	19600	373	755
200S - 100W	10 - 13	1	3.5	1.3	1950	1010	29800	840	968
100S - 200W	0 - 2	3	7.5	1.2	120	1510	18200	247	1120
100S - 300W	0 - 2	2	5.1	3.1	470	897	17800	306	868
200S - 300W	0 - 2	3	7.1	2.7	140	1020	25800	161	1600
100S - 400W	0 - 4	1	4.6	3.5	110	2540	21000	85	713
0S - 400W	0 - 2	3	5.7	2.9	290	2010	16400	266	834
0S - 400W	7 - 9	3	7.7	6.0	63	10900	18400	102	5400
0S - 400W	11 - 14	3	8.0	5.8	15	138	16200	16	168
0S - 600W	5 - 10	3	3.8	1.1	920	1270	25400	688	680
150S - 600W	0 - 2	2	7.3	1.2	160	887	20400	165	1360
150S - 500W	12 - 14	2	3.8	1.9	1280	664	26000	640	1710
150S - 500W	14 - 17	2	5.2	0.8	40	10200	17800	58	2420
200S - 195W	0 - .2	2	3.0	44.7	1030	19400	24400	540	8150

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-9. Soil laboratory data: Site 25 (Historically Irrigated), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (µg/g)	Cu (µg/g)	Fe (µg/g)	Pb (µg/g)	Zn (µg/g)
700N - 0W	0 - 2	NR	4.8	0.9	100	613	17200	82	260
700N - 0W	4 - 10	NR	6.4	1.0	19.5	34.0	28600	19	61.0
700N - 0W	10 - 20	NR	7.2	4.8	8.9	29.0	24600	19	74.0
700N - 200W	0 - 2	NR	4.7	1.5	140	1360	26200	131	369
600N - 200W	0 - 2	NR	4.3	2.0	68.7	703	22600	94	301
500N - 300W	0 - 2	NR	4.7	2.1	130	1380	20400	148	306
600N - 0W	2 - 6	NR	4.8	1.2	60.0	224	27200	24	176
500N - 100W	0 - 2	NR	4.3	3.6	310	2190	25600	213	449
400N - 100W	0 - 2	NR	4.3	1.9	110	1100	23600	122	328
300N - 100W	0 - 2	NR	4.7	1.0	210	1970	26400	181	351
300N - 100W	2 - 6	NR	4.8	2.0	130	1240	23000	143	304
400N - 200W	0 - 2	NR	4.8	1.1	88.4	773	24800	98	354
300N - 300W	0 - 2	NR	5.4	2.0	61.4	553	25800	92	306
100N - 300N	2 - 6	NR	5.2	1.1	84.5	662	28800	93	298
0N - 300W	0 - 2	NR	5.0	4.5	110	1470	23400	155	419
0N - 300W	2 - 6	NR	5.9	1.5	94.2	615	29800	73	278
100N - 200W	0 - 2	NR	4.8	1.3	120	884	21400	121	246
0N - 0W	0 - 2	NR	4.2	1.4	100	611	17000	96	265
100N - 0W	2 - 6	NR	5.2	0.9	120	682	23800	100	331
200N - 0W	0 - 2	NR	4.2	2.3	120	790	23200	113	350

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water; NR - Not Recorded.

Table G-10. Soil laboratory data: Site 27 (Buried Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (μg/g)	Cu (μg/g)	Fe (μg/g)	Pb (μg/g)	Zn (μg/g)
200N - 200W	3 - 5	1	7.2	6.6	740	5860	26800	850	4260
0N - 50E	1 - 4	2	8.0	23.9	210	1770	22600	290	1530
200N - 200E	8 - 10	1	7.1	4.2	13.9	42	28200	19	212
200N - 50E	0 - 2	3	7.4	12.2	670	2330	27200	570	1360
300N - 30W	6 - 8	3	6.8	7.9	11.1	76	33800	28	710
400N - 600W	4 - 8	1	7.5	13.2	55.6	342	17400	68	350
300N - 200W	3 - 6	1	7.5	7.0	680	4300	19000	870	1450
300N - 600W	7 - 9	1	7.6	9.0	13.9	37	27000	21	76
300N - 500W	4 - 6	3	7.3	11.1	106	547	20200	94	1720
100N - 400W	3 - 6	4	6.2	6.0	770	4270	28600	960	1050
100N - 500W	2 - 4	1	7.4	8.1	730	4460	20400	770	2770
0N - 600W	2 - 4	1	7.8	9.7	690	6060	22000	780	2610
400N - 100W	0 - 3	4	7.8	12.4	620	3570	18800	593	2240
400N - 100W	5 - 7	3	7.8	15.2	40.4	248	14800	41	235
300N - 100W	2 - 4	1	4.6	6.3	540	4030	21400	526	622
0N - 100W	3 - 6	3	7.3	10.7	49.6	340	24600	77	285
0N - 100W	0 - 3	3	7.8	10.6	820	5300	24400	781	3480
100N - 300W	2 - 4	3	7.4	9.5	890	5890	28400	945	2930
100N - 300W	0 - 2	3	7.5	3.2	280	2770	19800	454	4260
100N - 50E	2 - 4	3	7.8	11.7	79.7	483	21600	109	616

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

Table G-11. Soil laboratory data: Site 28 (Buried Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (μg/g)	Cu (μg/g)	Fe (μg/g)	Pb (μg/g)	Zn (μg/g)
100S - 500E	2 - 4	NR	7.8	11.7	110	695	10400	149	427
400S - 200E	2 - 4	3	7.7	13.0	140	952	10200	200	631
400S - 0E	0 - 2	2	8.0	8.5	680	2920	21400	690	2560
500S - 0E	2 - 4	3	8.0	9.9	850	1940	21400	812	1560
500S - 300E	2 - 4	NR	8.0	12.1	89.6	176	6200	51	153

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water; NR - Not Recorded.

Table G-12. Soil laboratory data: Site 30 (Buried Tailings), CFRSS.

Station Coordinates	Depth (in) Sampled	Material Type*	pH	EC (mmhos/cm)	As (μg/g)	Cu (μg/g)	Fe (μg/g)	Pb (μg/g)	Zn (μg/g)
100S - 400W	6 - 8	5	7.4	0.8	540	5870	25600	448	2640
100S - 300W	4 - 6	3	7.7	5.2	78.9	909	17000	45	2040
0S - 100W	3 - 5	3	6.3	2.0	140	3360	22000	144	1930
0S - 100W	0 - 2	3	5.7	0.6	960	2680	29800	757	1470
0S - 100W	5 - 7	3	7.3	1.8	72.3	236	23200	41	372
200S - 100E	0 - 2	1	4.7	0.8	1270	4200	27000	2140	2810
200S - 100W	6 - 10	3	7.3	0.8	62.8	189	24200	38	386
300S - 200W	1 - 3	1	7.6	6.9	510	3850	22400	444	2870
300S - 200W	10 - 15	3	8.0	4.7	330	81	20400	24	95
300S - 0W	0 - 2	3	6.5	0.9	340	1380	20000	309	894
500S - 50E	4 - 6	1	3.8	1.2	710	861	22800	401	1030
500S - 100W	4 - 6	1	7.2	5.3	420	3630	20800	296	2370
500S - 300W	3 - 5	3	7.2	4.8	600	2310	19000	393	2040
500S - 300W	5 - 7	3	7.1	4.5	720	8120	25000	461	4210
500S - 500W	4 - 6	2	8.0	3.1	360	3960	22800	287	2320
400S - 300W	4 - 6	3	6.9	6.8	510	3510	19800	377	2120
300S - 400W	9 - 11	3	7.7	0.9	42.3	290	22400	27	470
200S - 400W	0 - 2	3	7.6	2.6	430	3750	21400	400	5980
200S - 400W	2 - 8	1	7.7	0.8	390	3230	10600	345	1960
200S - 400W	8 - 10	3	6.9	1.1	100	808	24400	91	623

* Material Type = 1 - Tailings; 2 - Mixed Tailings and Soil; 3 - Soil; 4 - Organic Matter; 5 - Alluvium (gravel); 6 - Soil irrigated with contaminated water.

APPENDIX H

COORDINATE SITE MAPS, VEGETATION DATA, AND SOILS SAMPLING SUMMARY

CLARK FORK RIVER SCREENING STUDY

L E G E N D

SITE: No. Ø4 - Buried Tailings

LOCATION: NW 1/4, NE 1/4, Sec. 25, T9N, R1ØW

DATE SAMPLED: July 14, 15, 1987

S Y M B O L S

X	Location of XRF readings
□	Location of vegetation coverage estimates
○	Soil sample collection station (surface)
⊕	Soil sample collection station (@ depth)
●	Soil sample collection station (multiple depths)
BT	Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
AGAL	Agrostis alba	Redtop
JUBA	Juncus balticus	Baltic rush
DECA	Deschampsia caespitosa	Tufted hairgrass
SYOC	Symphorocarpus occidentalis	Western snowberry
ROWO	Rosa woodsii	Wood's rose
SA-SP	Salix species	Willow
BEOC	Betula occidentalis	Waterbirch
CEMA	Centaurea maculosa	Spotted knapweed
IRMO	Iris missouriensis	Missouri iris

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	25
	- @ depth	22
Soils Collected	- surface	9
	- @ depth	12
Canopy Coverage Quadrats Estimated		24

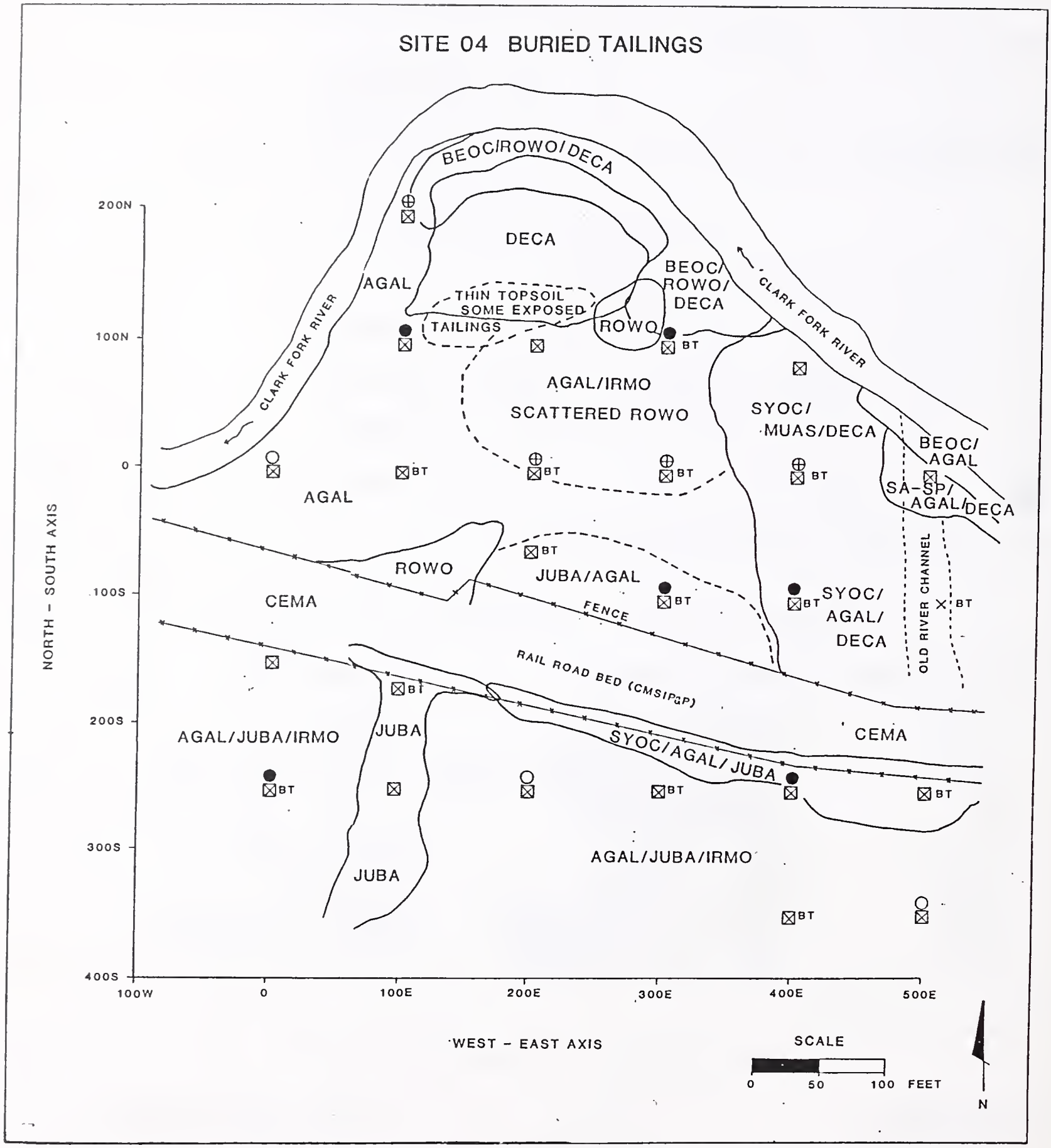


Figure 5. Sampling map for Site 04, CFRSS.

L E G E N D

SITE: No. Ø9 - Good Plant Growth

LOCATION: SE 1/4, SE 1/4, Sec. 33, T7N, R9W

DATE SAMPLED: July 9, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
MESA	Medicago sativa	Alfalfa
PHPR	Phleum pratense	Timothy
DAGL	Dactylis glomerata	Orchardgrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF readings	- surface	28
	- @ depth	8
Soils Collected	- surface	17
	- @ depth	4
Canopy Coverage Quadrats Estimated		3Ø

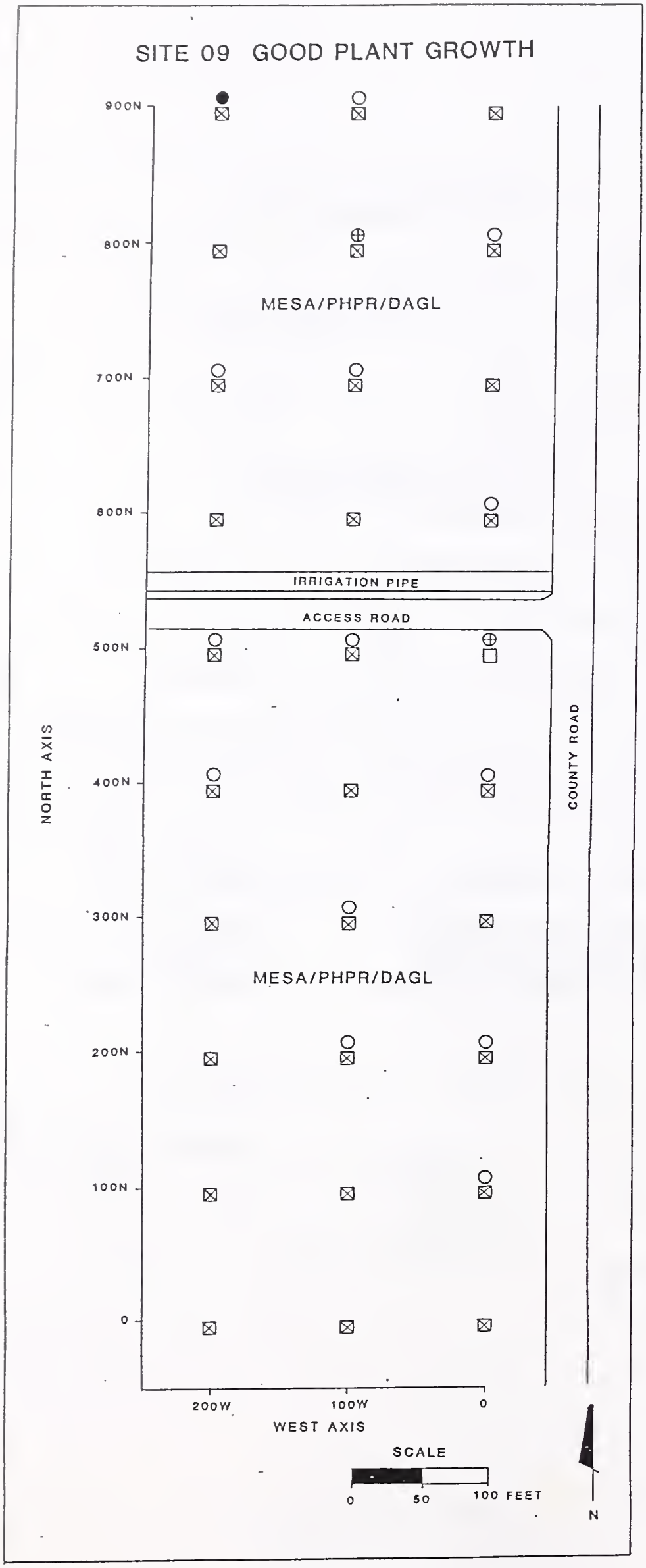


Figure 9. Sampling map for Site 09, CFRSS.

L E G E N D

SITE: No. 1Ø - Bare Tailings

LOCATION: SW 1/4, NW 1/4, Sec. 5, T5N, R9W

DATE SAMPLED: June 23, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

Bare tailings

BT Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
AGAL	Agrostis alba	Redtop
SA-SP	Salix species	Willow
DECA	Deschampsia caespitosa	Tufted hairgrass
JUBA	Juncus balticus	Baltic rush
ROWO	Rosa woodsii	Wood's rose

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	37
	- @ depth	9
Soils Collected	- surface	16
	- @ depth	5
Canopy Coverage Quadrats Estimated		34

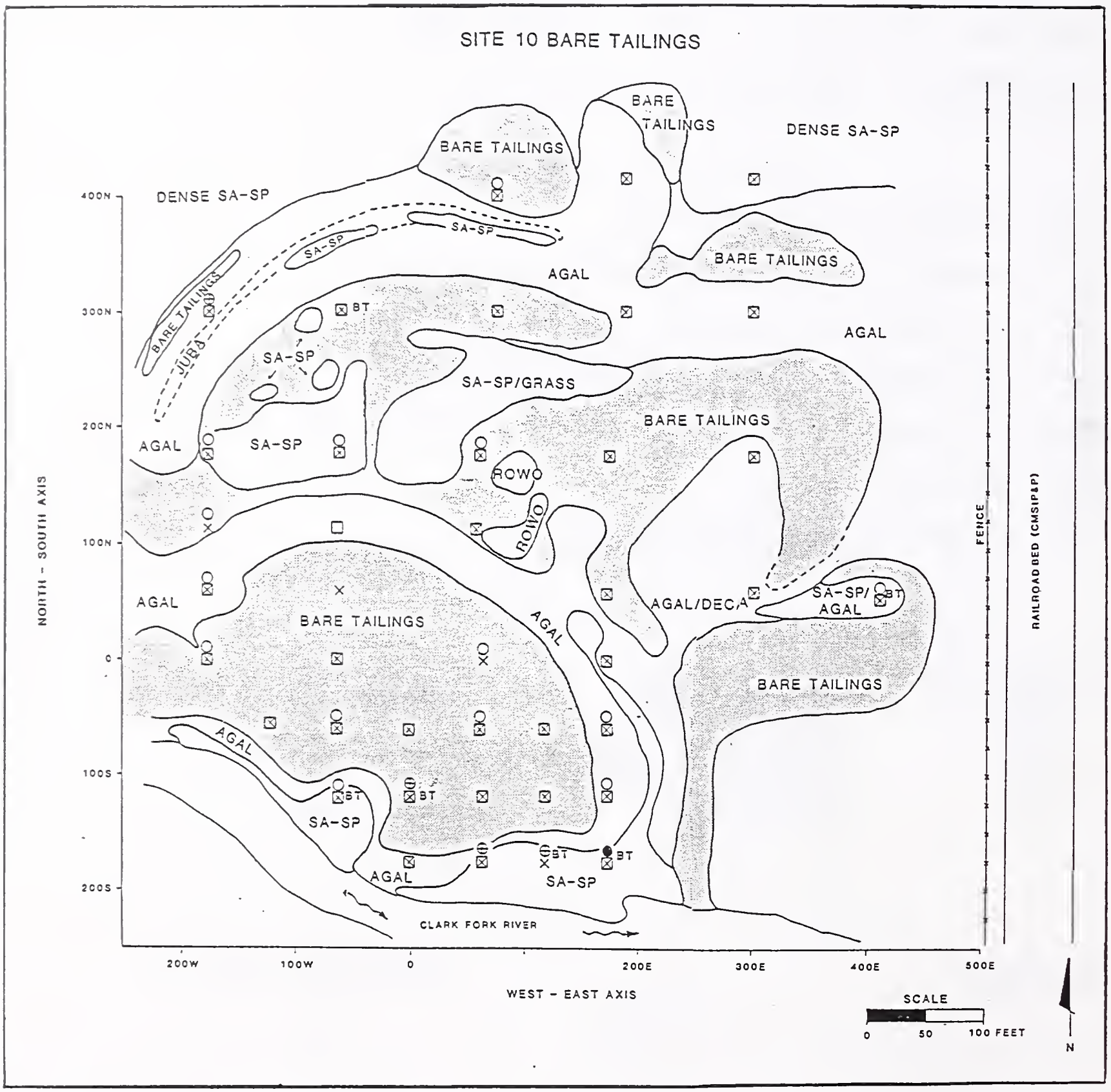


Figure 2. Sampling map for Site 10, CFRSS.

L E G E N D

SITE: No. 12 - Bare Tailings

LOCATION: SW 1/4, NE 1/4, Sec. 9, T7N, R8W

DATE SAMPLED: July 24, 1987

S Y M B O L S

	Location of XRF readings
	Location of vegetation coverage estimates
	Soil sample collection station (surface)
	Soil sample collection station (@ depth)
	Soil sample collection station (multiple depths)
	Bare tailings
BT	Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
AGAL	Agrostis alba	Redtop
ROWO	Rosa woodsii	Wood's rose
SA-SP	Salix species	Willow
GLLE	Glyceriza lepidota	Wild licorice
MEOF	Melilotus officinalis	Yellow sweetclover
EQ-SP	Equisetum species	Horsetail
DECA	Deschampsia caespitosa	Tufted hairgrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	43
	- @ depth	6
Soils Collected	- surface	18
	- @ depth	3
Canopy Coverage Quadrats Estimated		47

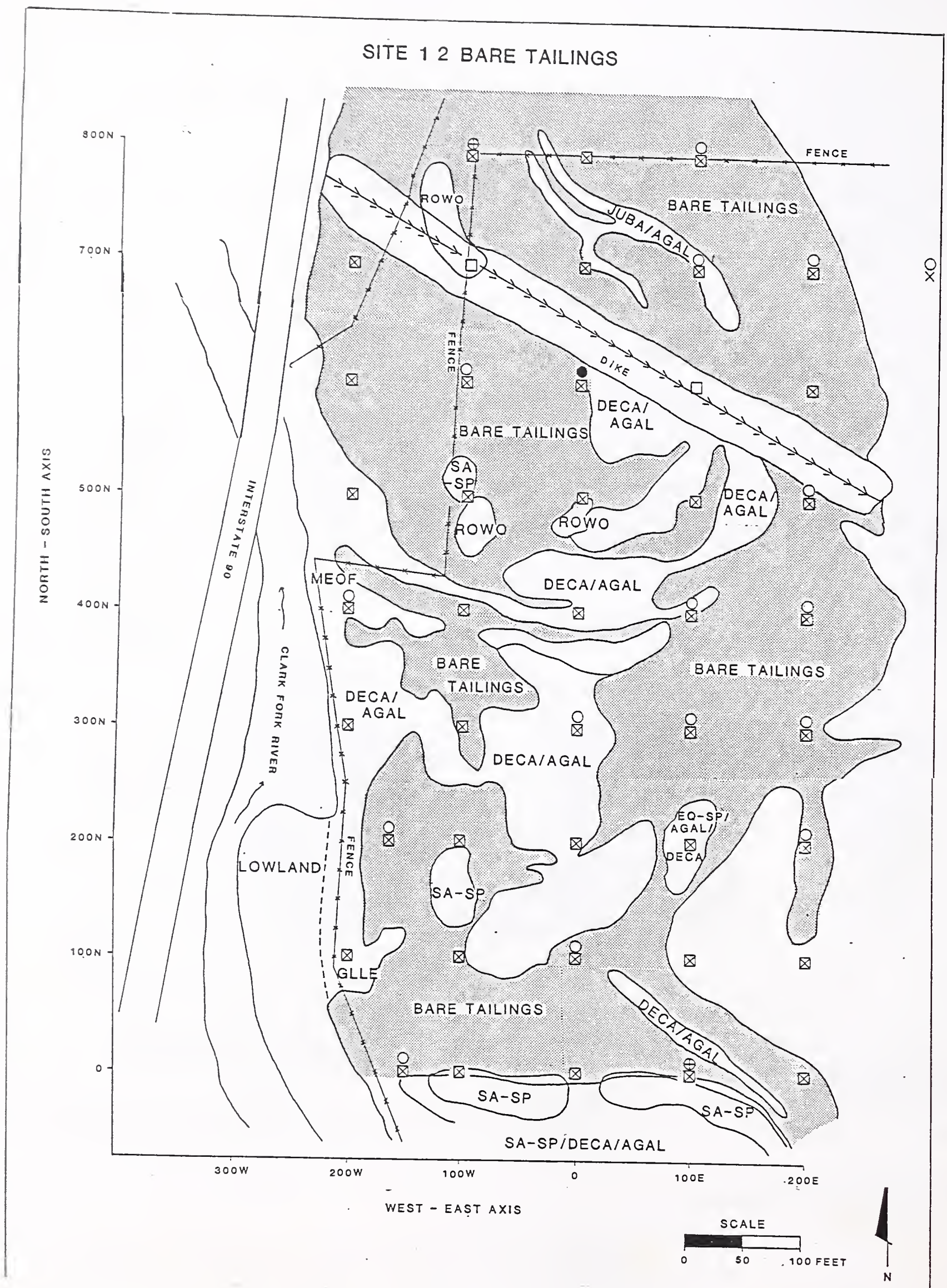


Figure 3. Sampling map for Site 12, CFRSS.

L E G E N D

SITE: No. 14 - Good Plant Growth

LOCATION: NW 1/4, SW 1/4, Sec. 9, T1ØN, R12W

DATE SAMPLED: July 7, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
DAGL	Dactylis glomerata	Orchard grass
POPR	Poa pratensis	Kentucky bluegrass
MESA	Medicago sativa	Alfalfa

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	27
	- @ depth	13
Soils Collected	- surface	18
	- @ depth	3
Canopy Coverage Quadrats Estimated		3Ø

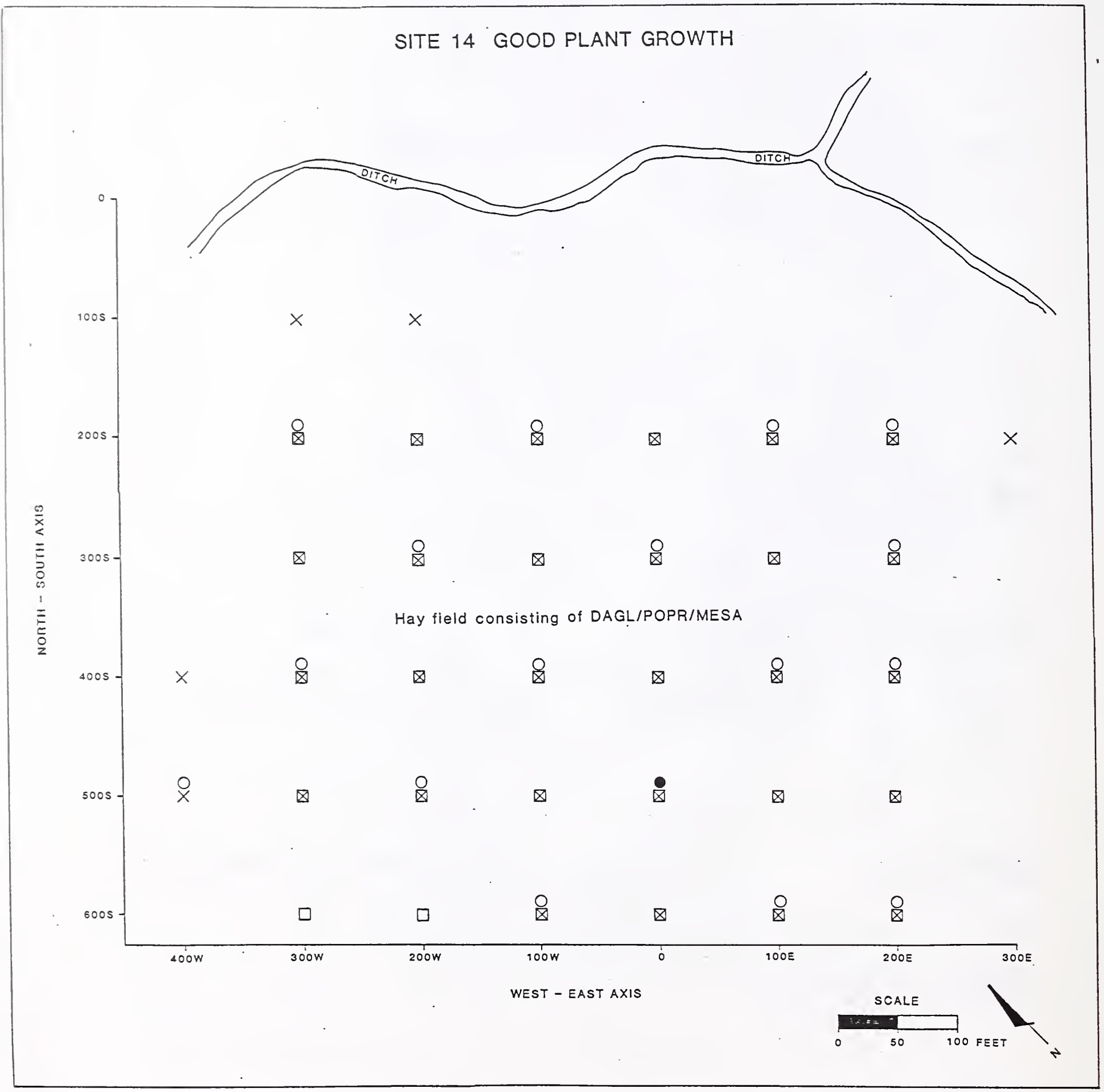


Figure 10. Sampling map for Site 14, CFRSS.

L E G E N D

SITE: No. 15 - Historically Irrigated

LOCATION: SE 1/4, SW 1/4, Sec. 9, T1ØN, R12W

DATE SAMPLED: July 9, 1Ø, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
MESA	Medicago sativa	Alfalfa
BRIN	Bromus inermis	Smooth brome
POPR	Poa pratensis	Kentucky bluegrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	24
	- @ depth	31
Soils Collected	- surface	14
	- @ depth	7
Canopy Coverage Quadrats Estimated		24

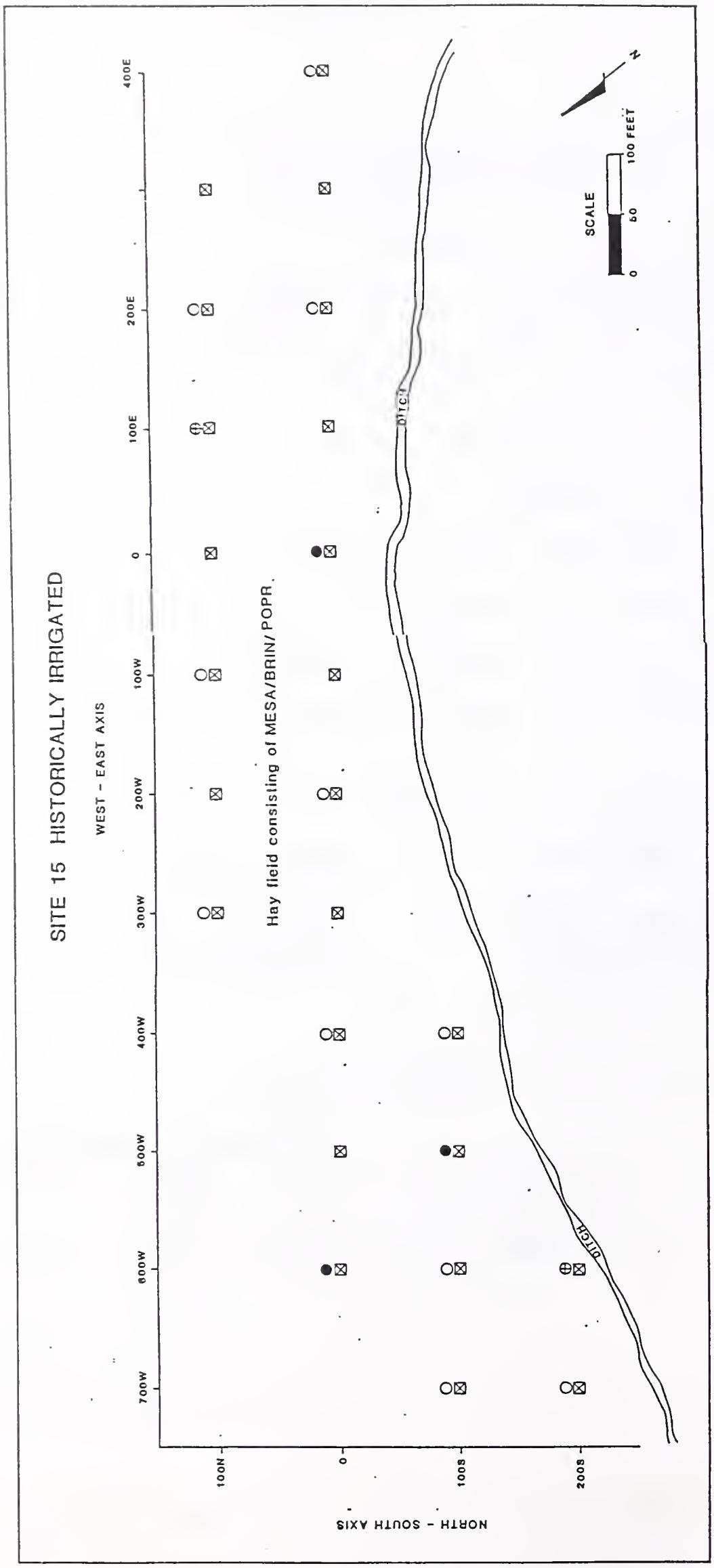


Figure 12. Sampling map for Site 15, CFRSS.

L E G E N D

SITE: No. 22 - Good Plant Growth

LOCATION: SW 1/4, SW 1/4, Sec. 25, T1ØN, R11W

DATE SAMPLED: July 6, 1987

S Y M B O L S

- Location of XRF readings
- Location of vegetation coverage estimates
- Soil sample collection station (surface)
- Soil sample collection station (@ depth)
- Soil sample collection station (multiple depths)

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
MESA	Medicago sativa	Alfalfa
BRIN	Bromus ineimis	Smooth bromegrass
POPR	Poa pratensis	Kentucky bluegrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	18
	- @ depth	7
Soils Collected	- surface	15
	- @ depth	6
Canopy Coverage Quadrats Estimated		33

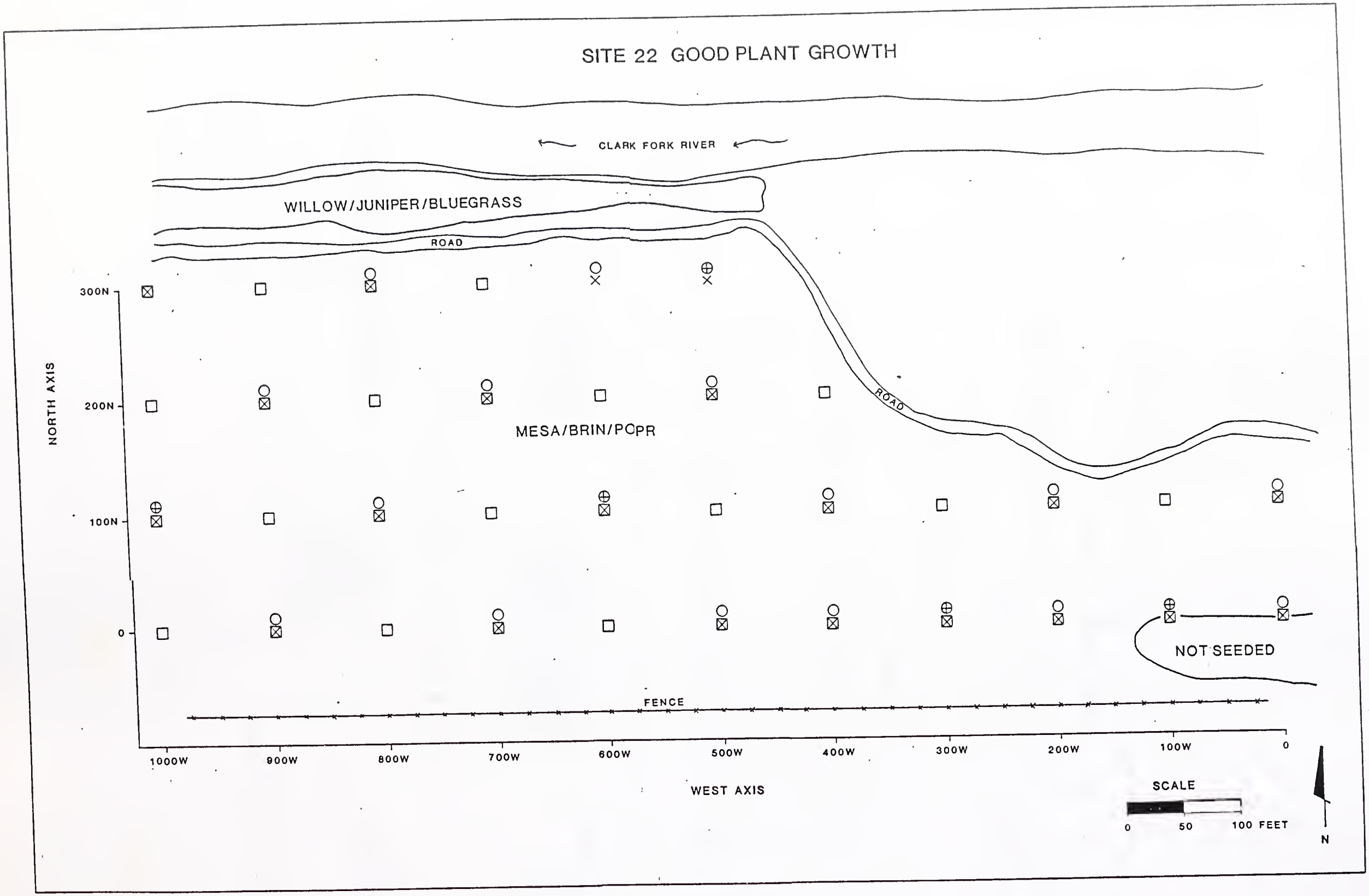


Figure 11. Sampling map for Site 22, CFRSS.

L E G E N D

SITE: No. 24 - Bare Tailings

LOCATION: NE 1/4, SE 1/4, Sec. 30, T9N, R9W

DATE SAMPLED: July 8, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

Bare tailings

BT Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
DECA	Deschampsia caespitosa	Tufted hairgrass
AGAL	Agrostis alba	Redtop
TYLA	Typha latifolia	Cattail
BEOC	Betula occidentalis	Waterbirch
CEMA	Centaurea maculosa	Spotted knapweed
CA-SP	Carex species	Sedge
SA-SP	Salix species	Willow
ROWO	Rosa woodsii	Wood's rose
JUBA	Juncus balticus	Baltic rush

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	21
	- @ depth	20
Soils Collected	- surface	13
	- @ depth	8
Canopy Coverage Quadrats Estimated		21

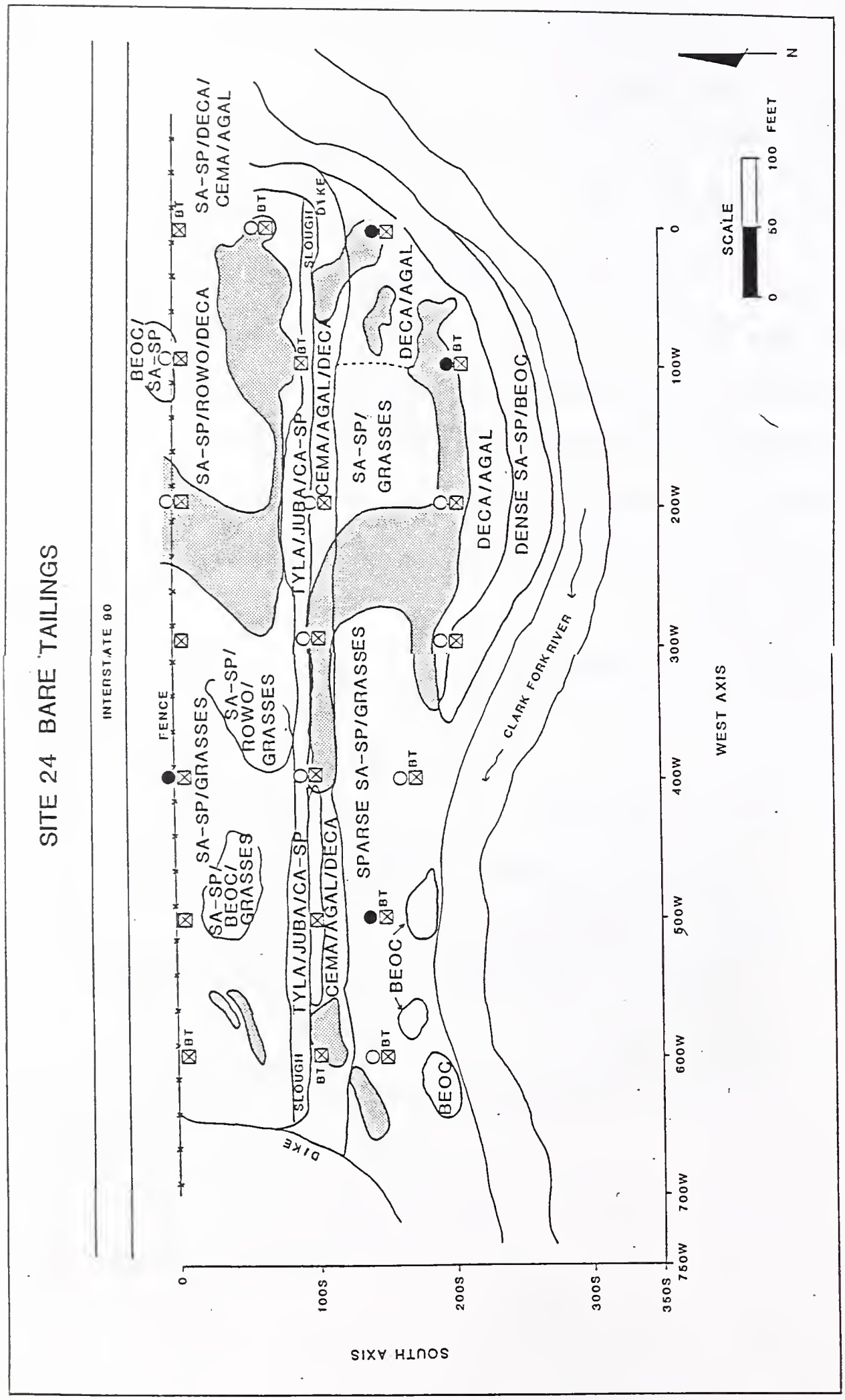


Figure 4. Sampling map for Site 24, CFRSS.

L E G E N D

SITE: No. 25 - Contaminated Soil

LOCATION: SW 1/4, NE 1/4, Sec. 21, T7N, R9W

DATE SAMPLED: July 7, 11, 12, 1987

S Y M B O L S

Location of XRF readings

Location of vegetation coverage estimates

Soil sample collection station (surface)

Soil sample collection station (@ depth)

Soil sample collection station (multiple depths)

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
ELCI	Elymus cinereus	Basin wildrye
CIAR	Cirsium arvense	Canada thistle
CADR	Cardaria draba	Whitetop
AGSM	Agropyron smithii	Western wheatgrass
POCO	Poa compressa	Canada bluegrass
CHNA	Chrysothamnus nauseosus	Rubber rabbitbrush
ROWO	Rosa woodsii	Wood's rose

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	32
	- @ depth	35
Soils Collected	- surface	14
	- @ depth	7
Canopy Coverage Quadrats Estimated		32

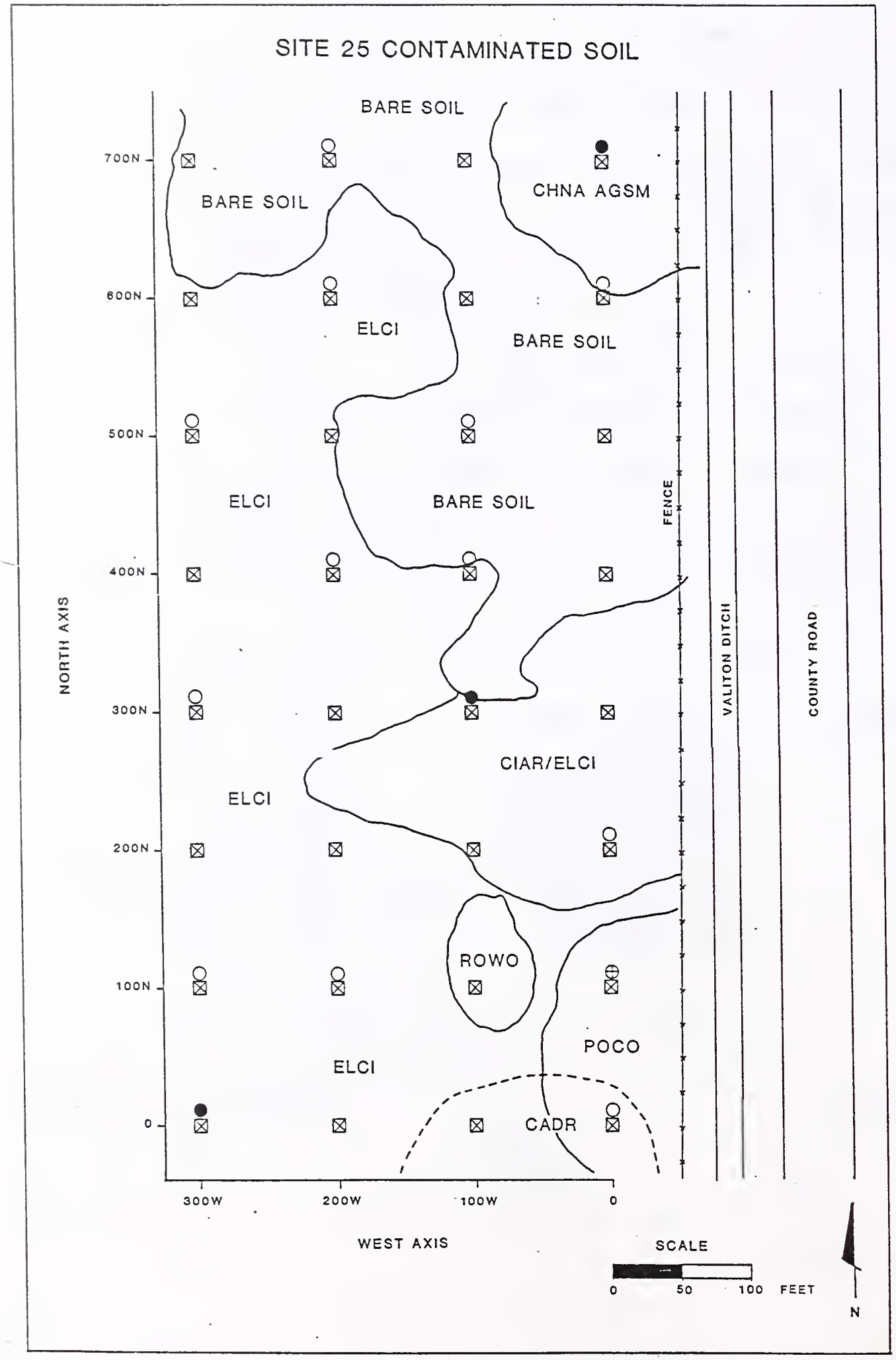


Figure 13. Sampling map for Site 25, CFRSS.

L E G E N D

SITE: No. 27 - Buried Tailings

LOCATION: SE 1/4, SW 1/4, Sec. 4, T7N, R8W

DATE SAMPLED: July 16, 17, 23, 1987

S Y M B O L S

X	Location of XRF readings
□	Location of vegetation coverage estimates
	coverage estimates
○	Soil sample collection station (surface)
⊕	Soil sample collections from multiple depths
●	Soil sample collection station (@ depth)
BT	Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
JUBA	Juncus balticus	Baltic rush
CA-SP	Carex species	Sedge
PO-SP	Poa species	Bluegrass
CIAR	Cirsium arvense	Canada thistle
AGAL	Agrostis alba	Redtop
SEVU	Senecio vulgaris	Common groundsel
IRMI	Iris missouriensis	Missouri iris
HOJU	Hordeum jubatum	Foxtail barley
AGCA	Agropyron caninum	Bearded wheatgrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	13
	- @ depth	52
Soils Collected	- surface	4
	- @ depth	17
Canopy Coverage Quadrats Estimated		34

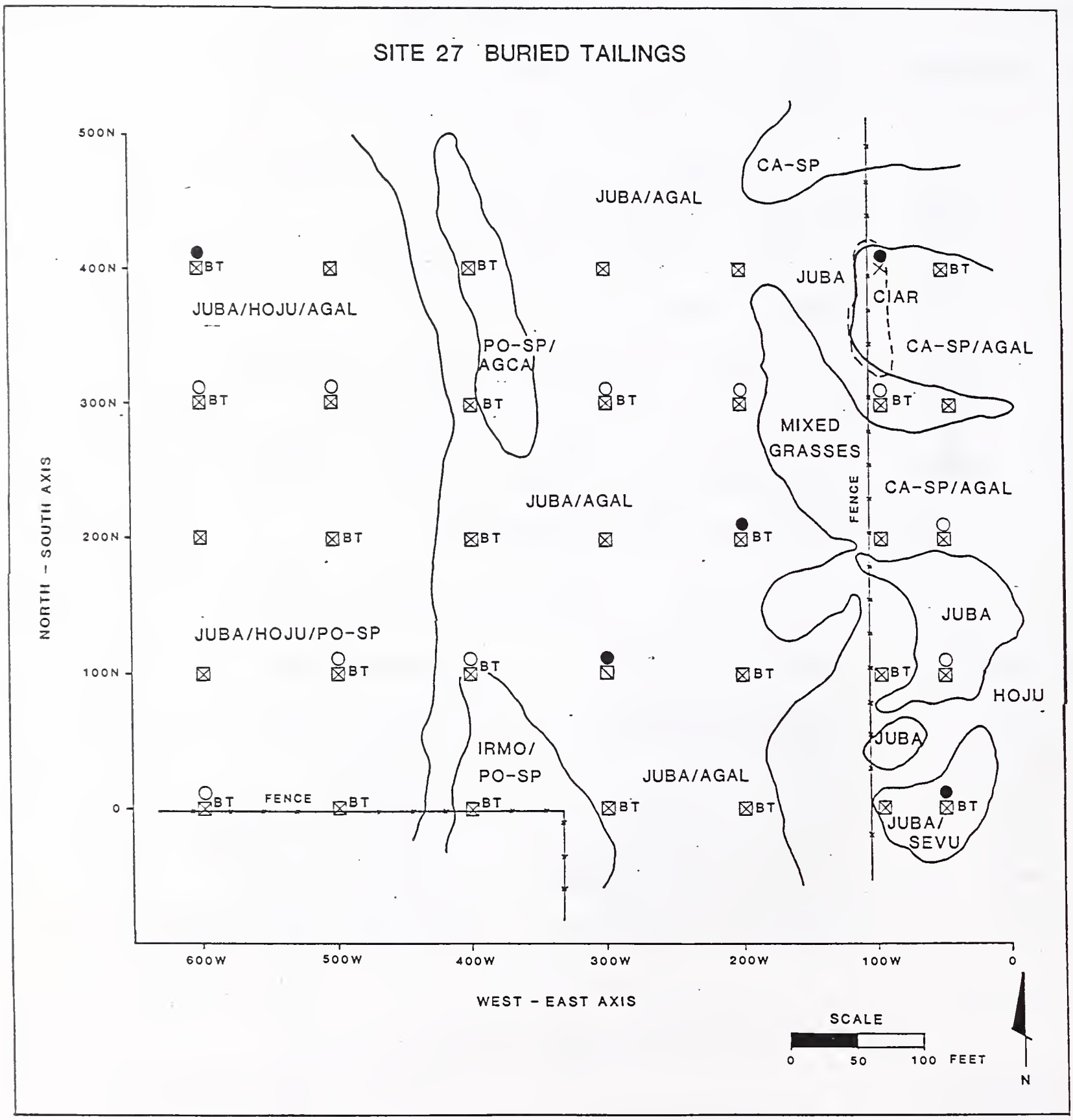


Figure 6. Sampling map for Site 27, CFRSS.

L E G E N D

SITE: No. 28 - Buried Tailings

LOCATION: NE 1/4, NW 1/4, Sec. 32, T6N, R9W

DATE SAMPLED: July 17, 23, 1987

S Y M B O L S

X	Location of XRF readings
□	Location of vegetation coverage estimates
○	Soil sample collection station (surface)
⊕	Soil sample collection station (@ depth)
●	Soil sample collection station (multiple depths)
BT	Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
AGAL	Agrostis alba	Redtop
AS-SP	Aster species	Aster
SPCR	Sporobolus cryptandrus	Sand dropseed

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	1
	- @ depth	51
Soils Collected	- surface	1
	- @ depth	5
Canopy Coverage Quadrats Estimated		11

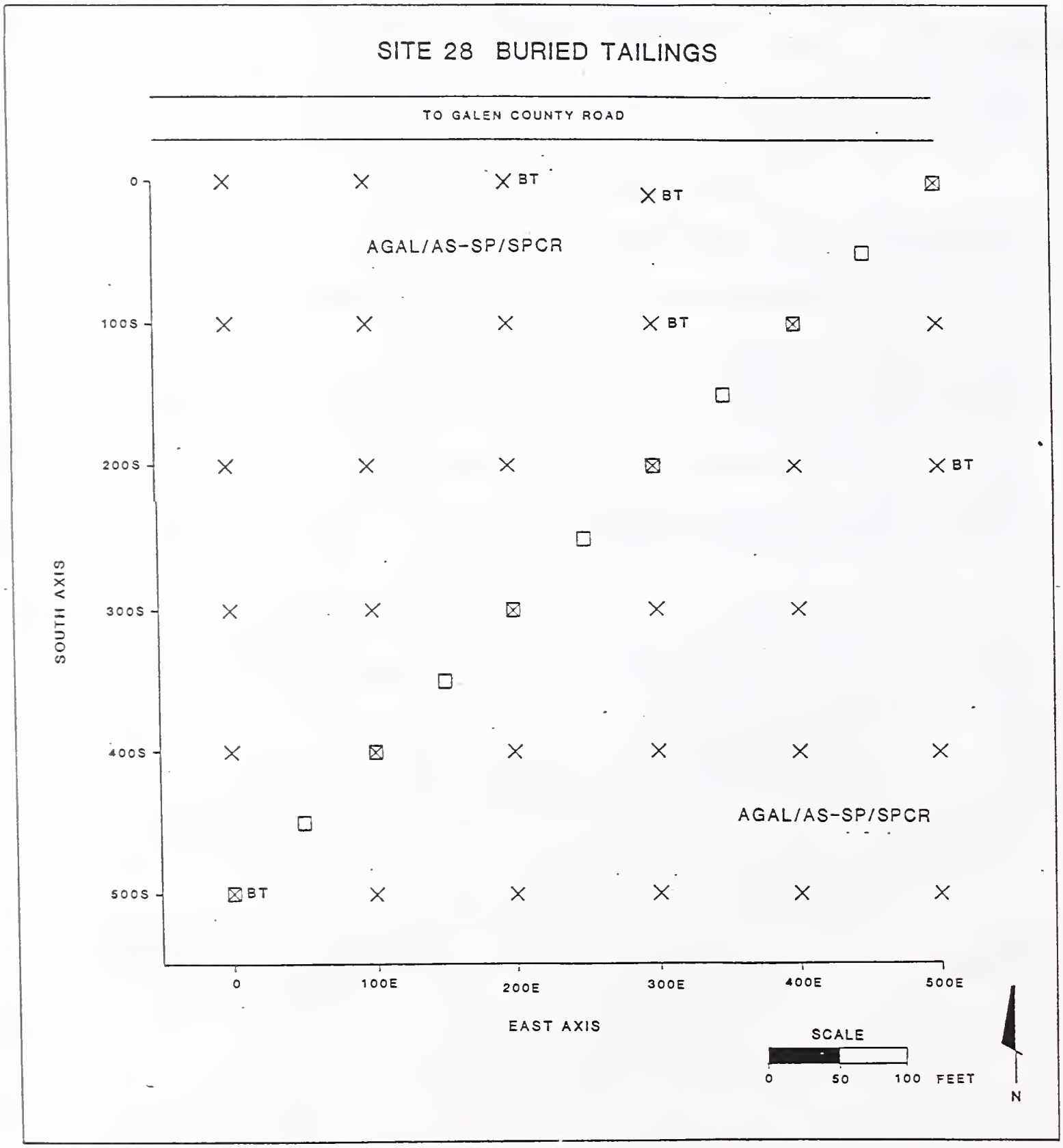


Figure 7. Sampling map for Site 28, CFRSS.

L E G E N D

SITE: No. 30 - Buried Tailings

LOCATION: NW 1/4, NE 1/4, Sec. 4, T8N, R9W

DATE SAMPLED: July 15, 23, 1987

S Y M B O L S

X	Location of XRF readings
□	Location of vegetation coverage estimates
○	Soil sample collection station (surface)
⊕	Soil sample collection station (@ depth)
●	Soil sample collection station (multiple depths)
BT	Buried tailings encountered

D O M I N A N T V E G E T A T I O N

Abbreviation	Latin Binomial	Common Name
AGAL	Agrostis alba	Redtop
JUBA	Juncus balticus	Baltic rush
CA-SP	Carex species	Sedge
ROWO	Rosa woodsii	Wood's rose
POAN	Potentilla anserina	Silver leaved pot.
CIAR	Cirsium arvense	Canada thistle
IRMI	Iris missouriensis	Missouri iris
DECA	Deschampsia caespitosa	Tufted hairgrass

S A M P L E S U M M A R Y

Parameter		Number of Stations
XRF Readings	- surface	22
	- @ depth	50
Soils Collected	- surface	5
	- @ depth	16
Canopy Coverage Quadrats Estimated		34

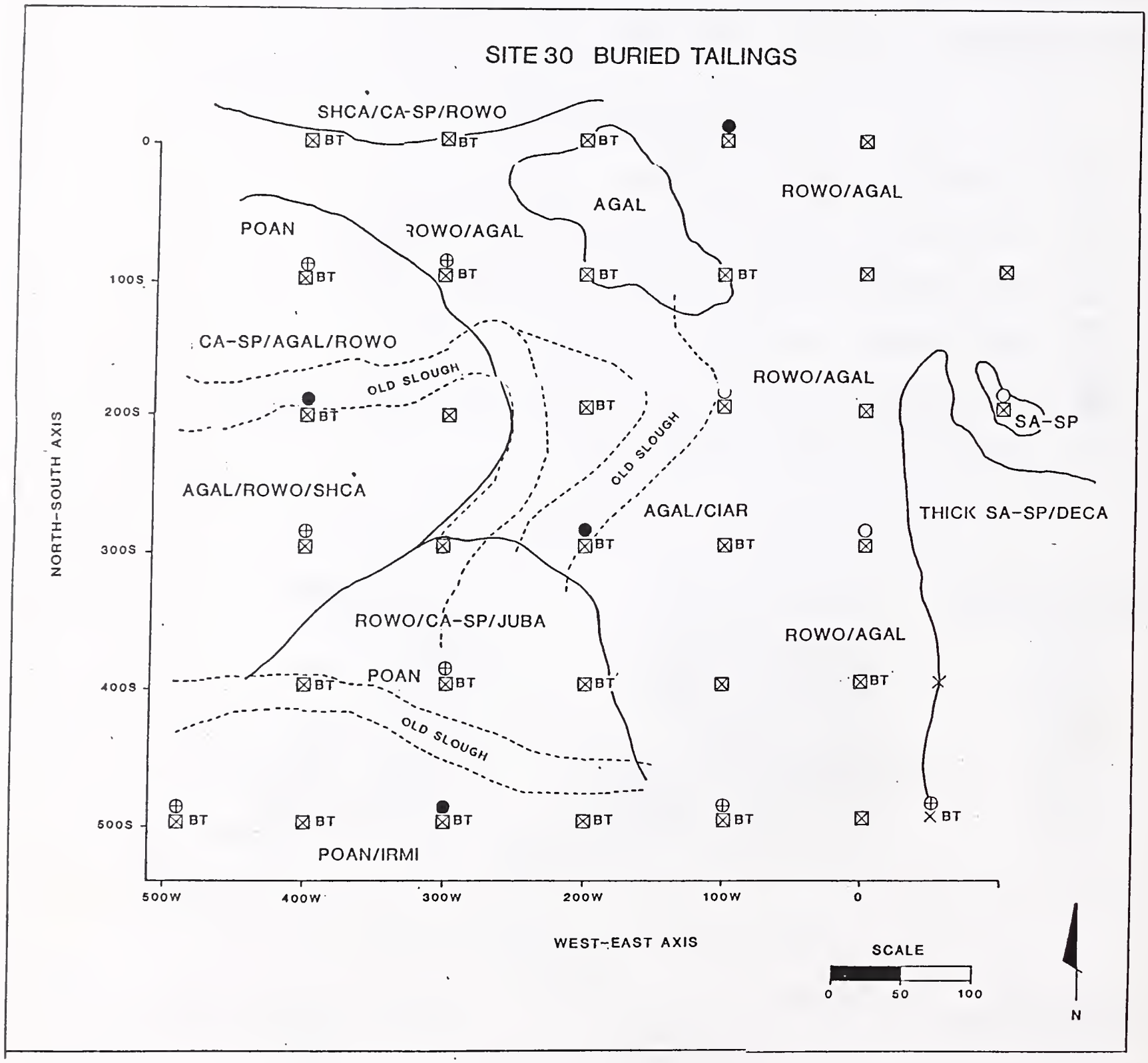


Figure 8. Sampling map for Site 30, CFRSS.

APPENDIX I

XRF AND SOILS STATISTICAL DATA

CLARK FORK RIVER SCREENING STUDY

This Appendix is divided into three parts:

- An overview of the X-Ray Fluorescence Spectrometry technique.
- Laboratory and Calculated Concentrations for Target Elements.
- Laboratory Data for Other Elements.

Abbreviations used in the second part of this Appendix include:

SITE	Site Sampled
STA COOR	Station coordinates
TAG NBR	EPA sample tag number
XX INDEX	Field XRF index value for specified element
XX LAB	Laboratory determined total concentration (μg/g) for specified element
CALC	Calculated total concentration (μg/g) for specified element based on regression model
STDI	Standard deviation for calculated total concentration (μg/g)
L95 & U95	Lower and upper confidence interval for calculated total concentration (μg/g)

I.1 BACKGROUND OF XRF

X-ray fluorescence spectrometry also referred to as x-ray spectrochemical analysis is an analytical tool capable of providing rapid elemental analysis of environmental samples at a reduced cost compared to traditional laboratory methods. Elements with an atomic number greater than 8 can be identified and quantified by XRF. As part of the Clark Fork River Screening Study, XRF was used to characterize the soils at each of the twelve field sites for elemental concentrations.

X-ray fluorescence spectrometry is based on the energy change that electrons undergo as x-rays are directed onto the surface of a sample. When an x-ray beam strikes a sample, secondary x-radiation is emitted. This occurs as the x-ray strikes the sample and "excites" the electrons. Excited electrons are ejected from the low-energy levels of the atoms and these electrons are then replaced by electrons from the higher-energy orbital levels. Replacement by electrons from higher energy levels results in the release of energy in the form of an x-ray photon. The energy of the x-ray photon corresponds to the difference between the energies of the electrons in the lower and higher levels of the element excited. Photon energy of a given electron transition increases with the atomic number and each element has a characteristic emission energy for each electron transition. Thus, measurement of the secondary x-ray energy spectra provides a unique signature for each element while the rate of photon emission is proportional to the element's concentration. Many laboratory XRF units utilize complex computerized mathematical models to compensate for any spectral overlap of element emission peaks to determine concentration. X-ray fluorescence spectrometers record these characteristic spectra and their energies thereby identifying and quantifying the elements. An operable x-ray fluorescence must be able to: (1) generate x-rays, (2) collect fluorescent energies and transform them into electrical impulses, (3) process, interpret and store these electrical impulses, and (4) display the interpreted data in a form the operator can use.

I.2 PORTABLE ATX-100 OPERATION

The Aurora-Tech model ATX-100 (Aurora Tech Inc., 331 Rio Grande St., Salt Lake City Utah 84101) was the x-ray fluorescence spectrometer utilized by the Clark Fork River Screening Study project team. The ATX-100 is a self-contained portable x-ray fluorescence spectrometer that detects and analyses the presence of over 60 different elements. The model ATX-100 is an energy dispersive x-ray spectrometer that utilizes Fe-55 and Cd-109 as radiation sources for x-ray generation and an onboard microprocessor for signal processing which is capable of interfacing with a portable computer.

The model ATX-100 is a dual-source XRF containing both Cd-109 and Fe-55 x-ray sources. A single detector can be used with either source. The higher-energy Cd-109 source which emits x-rays at 22.2 kev allows elements from atomic number 20 (Calcium) to 45 (Rhodium) to be detected. These elements fluoresce in a single wavelength. A second set of elements from atomic number 57 (Lanthanum) to atomic number 95 (Americium) have two fluorescence wavelengths as two distinct outer shell electrons with different energy states can decay to fill the vacant inner electron shell of an excited atom. Many of the elements of concern are thus detectable with the Cd-109 source including Mn, Fe, Cu, Zn, As, and Pb.

The ATX-100 reads the emission spectra from 0 to 24 kev in a sample excited by the Cd-109 source and segments the signal into 512 bandwidths. The number of photons detected in each bandwidth are accumulated for the length of a pre-set counting period (usually 30 seconds for a fresh Cd-109 source of 15 mCi strength). To quantify an element the ATX-100 sums the counts in the 10 bands centered on the elements emission peak (6.39 kev for Fe). This quantity is divided by the "backscatter peak" which is the reflectance of the original Cd-109 x-ray signal at 22.2 kev. This ratio is the "index value" for the element.

The ATX-100 can provide index values for elements in the field by moving a cursor on a small screen to a selected element and reading the value off of a LCD display or by storing the entire spectrum on an external microcomputer disk storage device. For the Clark Fork River Screening Study index values were recorded for each element for each sample (see Appendix J).

I.3 XRF USE IN THE FIELD

The ATX-100 electronics were "calibrated" in the field based on internal factory standards and soils containing known concentrations of the target elements. Thus, a working field calibration was obtained. Both index and count rates were recorded. This calibration was repeated as required to assure the instrument remained in calibration. A second refined calibration curve was developed for each element at each site using linear regression analysis of XRF and laboratory generated data. Samples collected in the field were prepared for analysis by removing large rocks (> 2mm diameter) and mixing before a subsample was taken. The subsample was placed in a plastic petri dish and a uniform flat surface was prepared by pressing with a second petri dish. The ATX-100 source/detector "window" was then placed directly atop the flat sample surface. A 30-second reading was then taken for both the Fe-55 and the Cd-109 sources. Spectral data were checked on the ATX-100 screen to make sure an appropriate signature was received. These data (index value and counts) were then recorded on the field forms (Appendix J). The "window" was then cleaned by removing adhering sample before the next sample or calibration check was performed.

I.4 ATX-100 CALIBRATION and STATISTICAL CALCULATIONS

Index XRF values and laboratory derived concentration data for the target elements were evaluated and preliminary linear regression analyses were completed. It was determined that linear correlation models could be used for five of the six target elements; these included As, Cu, Fe, Pb, and Zn. Spectral interferences prevented the correlation of Mn. Linear regression analyses were performed using Statistical Analytical Services (SAS) software for each of the target elements for which both XRF index values and laboratory generated concentrations were available.

The second part of this Appendix shows the laboratory and calculated concentrations from each regression equation for each target element at each of the twelve sites. The calculated value is derived from the regression equation. The standard deviation associated with each calculated value as well as the lower and upper 95% confidence interval concentrations are also exhibited. For each regression a plot of laboratory concentrations and index values is also exhibited.

The third part of this Appendix shows laboratory concentrations for the other elements that were determined in the field samples collected from each of the twelve field sites.

Abbreviations Used in this Appendix:

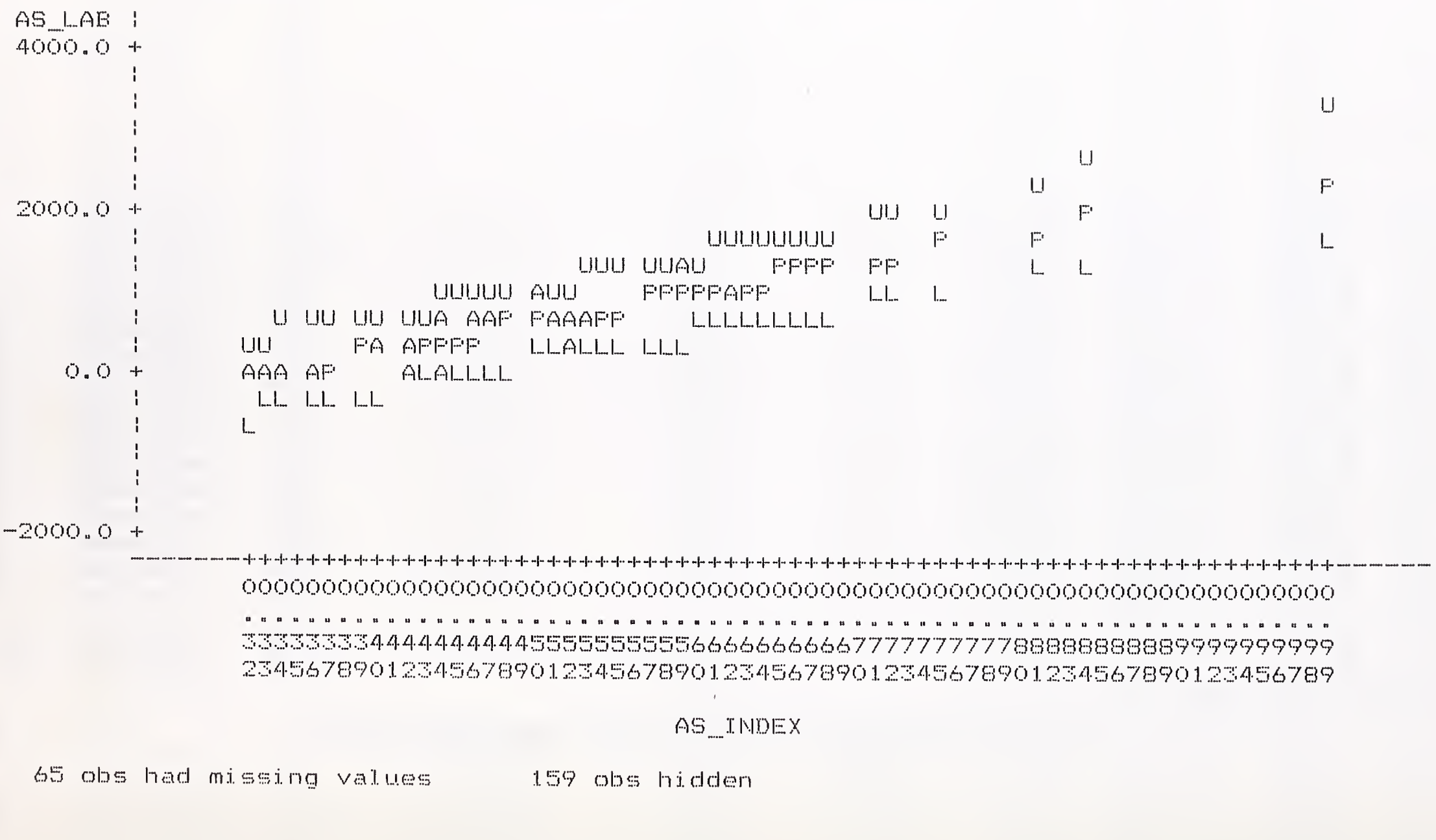
SITE -	Site sampled
STA_COOR -	Station coordinates
TAG_NBR -	EPA sample tag number
XX_INDEX -	Field XRF index value for specified element
XX_CONC -	Laboratory determined total concentration (ug/g) for specified element
CACL-	Calculated total concentration (ug/g) for specified element based on regression model
STDI-	Standard deviation for calculated total concentration (ug/g)
L95 and U95 -	Lower and upper confidence interval for calculated total concentration (ug/g)

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	04	0S-0W	0-4		0.39	.	224.43	215.601	-228.53	677.39
2	04	0S-100E	0-1.5		0.36	.	112.33	218.627	-346.99	571.65
3	04	0S-100E	1.5-4		0.55	.	822.29	220.732	358.55	1286.03
4	04	0S-100E	4-8		0.39	.	224.43	215.601	-228.53	677.39
5	04	0S-100E	8-12		0.37	.	149.70	217.483	-307.22	606.61
6	04	65S-200E	1.25-3.5		0.75	.	1569.61	270.973	1000.32	2138.90
7	04	90S-300E	0-2.5		0.54	.	784.92	219.378	324.03	1245.81
8	04	40S-300E	2.5-4		0.60	.	1009.12	229.384	527.20	1491.03
9	04	90S-300E	4-10.		0.81	.	1793.81	292.547	1179.19	2408.42
10	04	90S-300E	10-15		0.44	.	411.26	213.331	-36.93	859.45
11	04	100S-400E	0-2		0.47	.	523.36	213.673	74.45	972.26
12	04	100S-400E	3.5-8		0.57	.	897.02	223.826	426.78	1367.26
13	04	100S-400E	3.5-8		0.54	.	784.92	219.378	324.03	1245.81
14	04	100S-500E	2-4		0.55	.	822.29	220.732	358.55	1286.03
15	04	100S-500E	4-8		0.99	.	2466.40	367.693	1693.91	3238.89
16	04	0S-500E	0-2		0.63	.	1121.22	235.974	625.46	1616.98
17	04	0S-500E	4-8		0.52	.	710.19	217.063	254.16	1166.22
18	04	0S-400E	0-2		0.46	.	485.99	213.417	37.62	934.36
19	04	0S-400E	4.5-6		0.64	.	1158.58	238.385	657.76	1659.41
20	04	0S-300E	4-6		0.42	.	336.53	213.815	-112.68	785.73
21	04	0S-300E	2-4		0.58	.	934.38	225.559	460.51	1408.26
22	04	0S-300E	0-2		0.48	.	560.72	214.071	110.98	1010.47
23	04	0S-200E	5-8		0.51	.	672.82	216.108	218.80	1126.85
24	04	0S-200E	3-5		0.57	.	897.02	223.826	426.78	1367.26
25	04	0S-200E	0-3		0.57	.	897.02	223.826	426.78	1367.26
26	04	0S-200E	3-5		0.57	.	897.02	223.826	426.78	1367.26
27	04	75N-400E	0-2		0.51	.	672.82	216.108	218.80	1126.85
28	04	75N-400E	5-7		0.44	.	411.26	213.331	-36.93	859.45
29	04	75N-400E	10-15		0.48	.	560.72	214.071	110.98	1010.47
30	04	100N-300E	0-2		0.58	.	934.38	225.559	460.51	1408.26
31	04	100N-300E	2-4		0.66	.	1233.31	243.512	721.72	1744.91
32	04	100N-300E	4-6		0.84	.	1905.91	304.111	1267.00	2544.81
33	04	100N-200E	0-2		0.72	.	1457.51	261.093	908.98	2006.04
34	04	100N-200E	5-7		0.45	.	448.62	213.302	0.50	896.75
35	04	100N-100E	0-2		0.60	.	1009.12	229.384	527.20	1491.03

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	04	100N-100E	4-6		0.81	.	1793.81	292.547	1179.19	2408.42
37	04	100N-100E	10-15		0.53	.	747.55	218.154	289.23	1205.88
38	04	200N-100E	0-2		0.48	.	560.72	214.071	110.98	1010.47
39	04	200N-100E	2-6		0.43	.	373.89	213.502	-74.66	822.44
40	04	250S-0E	0-3		0.60	.	1009.12	229.384	527.20	1491.03
41	04	250S-0E	3-5		0.63	.	1121.22	235.974	625.46	1616.98
42	04	250S-0E	5-8		0.43	.	373.89	213.502	-74.66	822.44
43	04	250S-100E	0-3		0.48	.	560.72	214.071	110.98	1010.47
44	04	250S-100E	3-5		0.61	.	1046.48	231.470	560.19	1532.78
45	04	250S-100E	5-8		0.65	.	1195.95	240.899	689.84	1702.05
46	04	250S-200E	0-2		0.63	.	1121.22	235.974	625.46	1616.98
47	04	250S-200E	5-7		0.61	.	1046.48	231.470	560.19	1532.78
48	04	250S-200E	10-15		0.46	.	485.99	213.417	37.62	934.36
49	04	250S-300E	0-2		0.65	.	1195.95	240.899	689.84	1702.05
50	04	250S-300E	5-7		0.57	.	897.02	223.826	426.78	1367.26
51	04	250S-400E	3-5		0.43	.	373.89	213.502	-74.66	822.44
52	04	250S-400E	1-3		0.60	.	1009.12	229.384	527.20	1491.03
53	04	250S-400E	0-1		0.57	.	897.02	223.826	426.78	1367.26
54	04	250S-500E	4-6		0.48	.	560.72	214.071	110.98	1010.47
55	04	250S-500E	2-4		0.62	.	1083.85	233.668	592.94	1574.76
56	04	250S-500E	0-2		0.62	.	1083.85	233.668	592.94	1574.76
57	04	350S-500E	4-6		0.48	.	560.72	214.071	110.98	1010.47
58	04	350S-500E	0-2		0.57	.	897.02	223.826	426.78	1367.26
59	04	350S-400E	6-8		0.68	.	1308.05	249.021	784.88	1831.22
60	04	350S-400E	4-6		0.64	.	1158.58	238.385	657.76	1659.41
61	04	350S-400E	0-4		0.71	.	1420.15	257.951	878.21	1962.08
62	04	175S-100E	4-6		0.61	.	1046.48	231.470	560.19	1532.78
63	04	175S-100E	2-4		0.65	.	1195.95	240.899	689.84	1702.05
64	04	175S-100E	0-2		0.67	.	1270.68	246.220	753.39	1787.97
65	04	175S-100E	10-15		0.65	.	1195.95	240.899	689.84	1702.05
66	04	0S-0E	0-2	8-61001	0.52	620.0	710.19	217.063	254.16	1166.22
67	04	100N-100E	0-2	8-61002	0.44	620.0	411.26	213.331	-36.93	859.45
68	04	100N-100E	4-6	8-61003	0.59	1460.0	971.75	227.413	493.98	1449.52
69	04	100N-100E	10-15	8-61004	0.32	48.9	-37.14	224.504	-508.80	434.53
70	04	200N-100E	5-8	8-61005	0.34	113.0	37.60	221.311	-427.36	502.55

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
71	04	0N-200E	5-8	8-61006	0.33	82.4	0.23	222.845	-467.95	468.41
72	04	0N-300E	4-6	8-61007	0.33	81.9	0.23	222.845	-467.95	468.41
73	04	0N-400E	4.5-6	8-61011	0.50	1000.0	635.46	215.290	183.15	1087.76
74	04	100N-300E	0-2	8-61012	0.42	370.0	336.53	213.815	-112.68	785.73
75	04	100N-300E	2-4	8-61013	0.46	520.0	485.99	213.417	37.62	934.36
76	04	100N-300E	4-6	8-61014	0.62	1010.0	1083.85	233.668	592.94	1574.76
77	04	250S-400E	0-1	8-61015	0.47	510.0	523.36	213.673	74.45	972.26
78	04	250S-400E	3-5	8-61016	0.36	62.5	112.33	218.627	-346.99	571.65
79	04	350S-500E	0-2	8-61018	0.44	140.0	411.26	213.331	-36.93	859.45
80	04	250S-200E	0-2	8-61019	0.42	340.0	336.53	213.815	-112.68	785.73
81	04	250S-0E	0-3	8-61020	0.53	630.0	747.55	218.154	289.23	1205.88
82	04	250s-0E	5-8	8-61021	0.42	81.6	336.53	213.815	-112.68	785.73
83	04	100S-400E	0-2	8-61022	0.52	330.0	710.19	217.063	254.16	1166.22
84	04	100S-400E	3.5-8	8-61023	0.40	188.0	261.79	214.866	-189.62	713.21
85	04	90S-300E	4-10	8-61024	0.51	540.0	672.82	216.108	218.80	1126.85

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



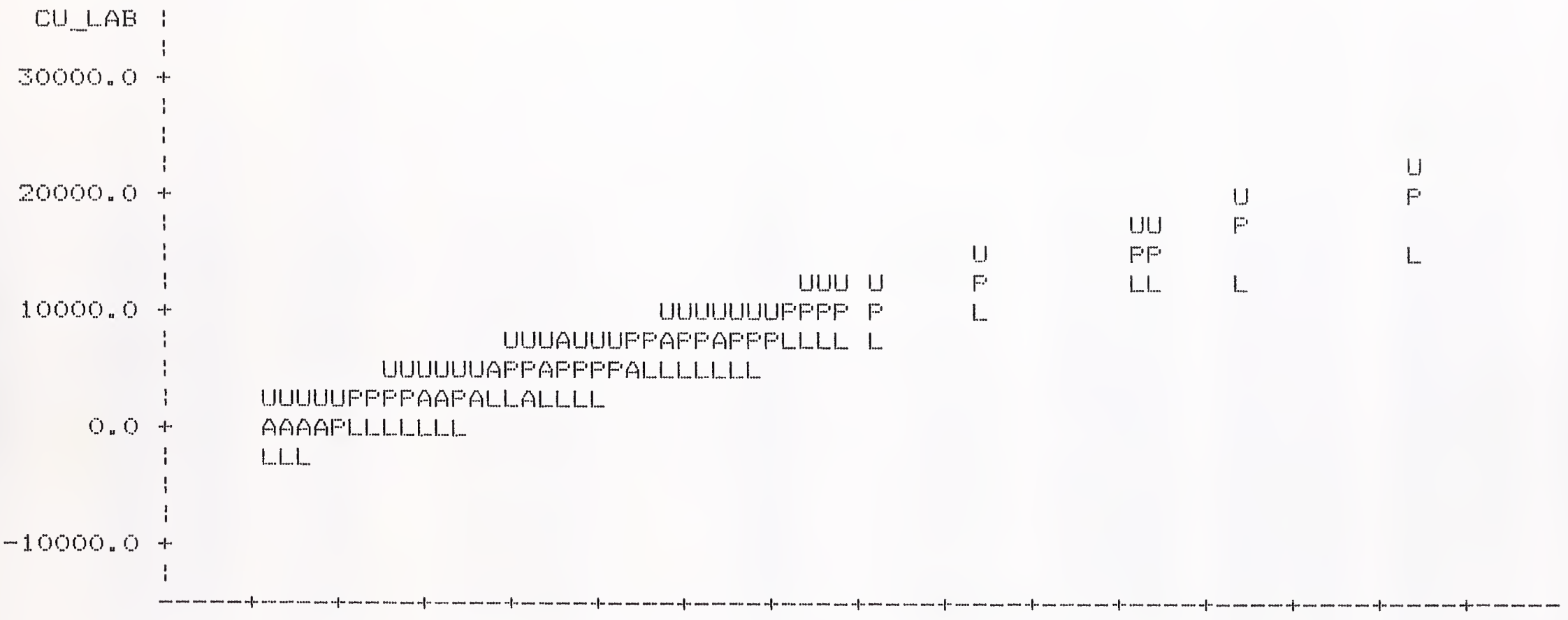
NOTE: 65 obs had missing values 159 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	04	0S-0W	0-4		0.43	.	1457.40	938.74	-514.81	3429.61
2	04	0S-100E	0-1.5		0.46	.	1681.26	935.65	-284.45	3646.98
3	04	0S-100E	1.5-4		0.72	.	3621.41	927.13	1673.60	5569.23
4	04	0S-100E	4-8		1.19	.	7128.61	993.55	5041.25	9215.96
5	04	0S-100E	8-12		0.40	.	1233.54	942.25	-746.05	3213.13
6	04	65S-200E	1.25-3.5		1.89	.	12352.09	1245.04	9736.38	14967.79
7	04	90S-300E	0-2.5		0.82	.	4367.62	932.67	2408.18	6327.07
8	04	40S-300E	2.5-4		0.77	.	3994.52	929.29	2042.17	5946.87
9	04	90S-300E	4-10.		2.27	.	15187.69	1429.21	12185.06	18190.32
10	04	90S-300E	10-15		0.29	.	412.70	958.70	-1601.43	2426.84
11	04	100S-400E	0-2		0.91	.	5039.21	941.76	3060.66	7017.77
12	04	100S-400E	3.5-8		1.51	.	9516.48	1090.47	7225.51	11807.46
13	04	100S-400E	3.5-8		1.52	.	9591.10	1094.05	7292.61	11889.60
14	04	100S-500E	2-4		0.46	.	1681.26	935.65	-284.45	3646.98
15	04	100S-500E	4-8		0.72	.	3621.41	927.13	1673.60	5569.23
16	04	0S-500E	0-2		0.75	.	3845.28	928.28	1895.05	5795.51
17	04	0S-500E	4-8		0.92	.	5113.84	943.01	3132.66	7095.01
18	04	0S-400E	0-2		0.91	.	5039.21	941.76	3060.66	7017.77
19	04	0S-400E	4.5-6		2.48	.	16754.73	1539.88	13519.58	19989.88
20	04	0S-300E	4-6		0.89	.	4889.97	939.41	2916.36	6863.58
21	04	0S-300E	2-4		0.79	.	4143.76	930.49	2188.88	6098.65
22	04	0S-300E	0-2		1.05	.	6083.91	963.38	4059.94	8107.88
23	04	0S-200E	5-8		1.44	.	8994.13	1066.29	6753.96	11234.31
24	04	0S-200E	3-5		0.56	.	2427.48	928.47	476.85	4378.10
25	04	0S-200E	0-3		0.63	.	2949.82	926.34	1003.68	4895.97
26	04	0S-200E	3-5		0.59	.	2651.34	927.26	703.25	4599.42
27	04	75N-400E	0-2		0.81	.	4293.00	931.89	2335.18	6250.83
28	04	75N-400E	5-7		0.66	.	3173.69	926.16	1227.91	5119.46
29	04	75N-400E	10-15		0.39	.	1158.92	943.52	-823.33	3141.17
30	04	100N-300E	0-2		1.08	.	6307.77	969.15	4271.68	8343.87
31	04	100N-300E	2-4		1.53	.	9665.72	1097.65	7359.65	11971.80
32	04	100N-300E	4-6		2.24	.	14963.83	1413.85	11993.46	17934.19
33	04	100N-200E	0-2		1.64	.	10486.56	1139.22	8093.16	12879.95
34	04	100N-200E	5-7		0.32	.	636.57	953.67	-1367.00	2640.14
35	04	100N-100E	0-2		1.36	.	8397.17	1040.59	6210.98	10583.35

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	04	100N-100E	4-6		2.89	.	19814.20	1768.77	16098.17	23530.23
37	04	100N-100E	10-15		0.42	.	1382.78	939.86	-591.79	3357.35
38	04	200N-100E	0-2		0.59	.	2651.34	927.26	703.25	4599.42
39	04	200N-100E	2-6		0.53	.	2203.61	930.11	249.53	4157.69
40	04	250S-0E	0-3		1.47	.	9218.00	1076.46	6956.45	11479.55
41	04	250S-0E	3-5		1.25	.	7576.33	1008.91	5456.70	9695.97
42	04	250S-0E	5-8		0.59	.	2651.34	927.26	703.25	4599.42
43	04	250S-100E	0-3		0.85	.	4591.49	935.27	2626.57	6556.40
44	04	250S-100E	3-5		1.20	.	7203.23	996.01	5110.70	9295.76
45	04	250S-100E	5-8		1.39	.	8621.03	1049.98	6415.12	10826.93
46	04	250S-200E	0-2		1.00	.	5710.80	954.64	3705.19	7716.42
47	04	250S-200E	5-7		1.57	.	9964.21	1112.38	7627.21	12301.21
48	04	250S-200E	10-15		0.34	.	785.81	950.54	-1211.19	2782.81
49	04	250S-300E	0-2		1.02	.	5860.05	958.01	3847.37	7872.73
50	04	250S-300E	5-7		1.36	.	8397.17	1040.59	6210.98	10583.35
51	04	250S-400E	3-5		0.32	.	636.57	953.67	-1367.00	2640.14
52	04	250S-400E	1-3		1.32	.	8098.68	1028.57	5937.76	10259.60
53	04	250S-400E	0-1		1.51	.	9516.48	1090.47	7225.51	11807.46
54	04	250S-500E	4-6		0.37	.	1009.67	946.19	-978.19	2997.53
55	04	250S-500E	2-4		1.44	.	8994.13	1066.29	6753.96	11234.31
56	04	250S-500E	0-2		1.25	.	7576.33	1008.91	5456.70	9695.97
57	04	350S-500E	4-6		0.36	.	935.05	947.59	-1055.76	2925.86
58	04	350S-500E	0-2		0.89	.	4889.97	939.41	2916.36	6863.58
59	04	350S-400E	6-8		1.26	.	7650.95	1011.61	5525.65	9776.25
60	04	350S-400E	4-6		1.18	.	7053.99	991.13	4971.72	9136.25
61	04	350S-400E	0-4		1.08	.	6307.77	969.15	4271.68	8343.87
62	04	175S-100E	4-6		0.78	.	4069.14	929.87	2115.57	6022.71
63	04	175S-100E	2-4		1.04	.	6009.29	961.54	3989.17	8029.41
64	04	175S-100E	0-2		1.10	.	6457.02	973.21	4412.39	8501.64
65	04	175S-100E	10-15		0.95	.	5337.70	947.03	3348.08	7327.32
66	04	0S-0E	0-2	8-61001	0.60	3060.0	2725.96	926.95	778.51	4673.41
67	04	100N-100E	0-2	8-61002	0.75	4930.0	3845.28	928.28	1895.05	5795.51
68	04	100N-100E	4-6	8-61003	0.93	7570.0	5188.46	944.30	3204.57	7172.35
69	04	100N-100E	10-15	8-61004	0.23	177.0	-35.02	969.95	-2072.79	2002.75
70	04	200N-100E	5-8	8-61005	0.29	628.0	412.70	958.70	-1601.43	2426.84

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
71	04	0N-200E	5-8	8-61006	0.32	728.0	636.57	953.67	-1367.00	2640.14
72	04	0N-300E	4-6	8-61007	0.24	501.0	39.60	967.96	-1994.01	2073.20
73	04	0N-400E	4.5-6	8-61011	1.16	8200.0	6904.74	986.40	4832.40	8977.08
74	04	100N-300E	0-2	8-61012	0.60	2470.0	2725.96	926.95	778.51	4673.41
75	04	100N-300E	2-4	8-61013	0.71	3420.0	3546.79	926.85	1599.57	5494.01
76	04	100N-300E	4-6	8-61014	1.27	7320.0	7725.58	1014.34	5594.53	9856.62
77	04	250S-400E	0-1	8-61015	0.71	2830.0	3546.79	926.85	1599.57	5494.01
78	04	250S-400E	3-5	8-61016	0.32	458.0	636.57	953.67	-1367.00	2640.14
79	04	350S-500E	0-2	8-61018	0.63	1990.0	2949.82	926.34	1003.68	4895.97
80	04	250S-200E	0-2	8-61019	0.60	2870.0	2725.96	926.95	778.51	4673.41
81	04	250S-0E	0-3	8-61020	0.89	3940.0	4889.97	939.41	2916.36	6863.58
82	04	250s-0E	5-8	8-61021	0.37	544.0	1009.67	946.19	-978.19	2997.53
83	04	100S-400E	0-2	8-61022	0.85	3270.0	4591.49	935.27	2626.57	6556.40
84	04	100S-400E	3.5-8	8-61023	0.60	2940.0	2725.96	926.95	778.51	4673.41
85	04	90S-300E	4-10	8-61024	1.07	5180.0	6233.15	967.18	4201.19	8265.12

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L



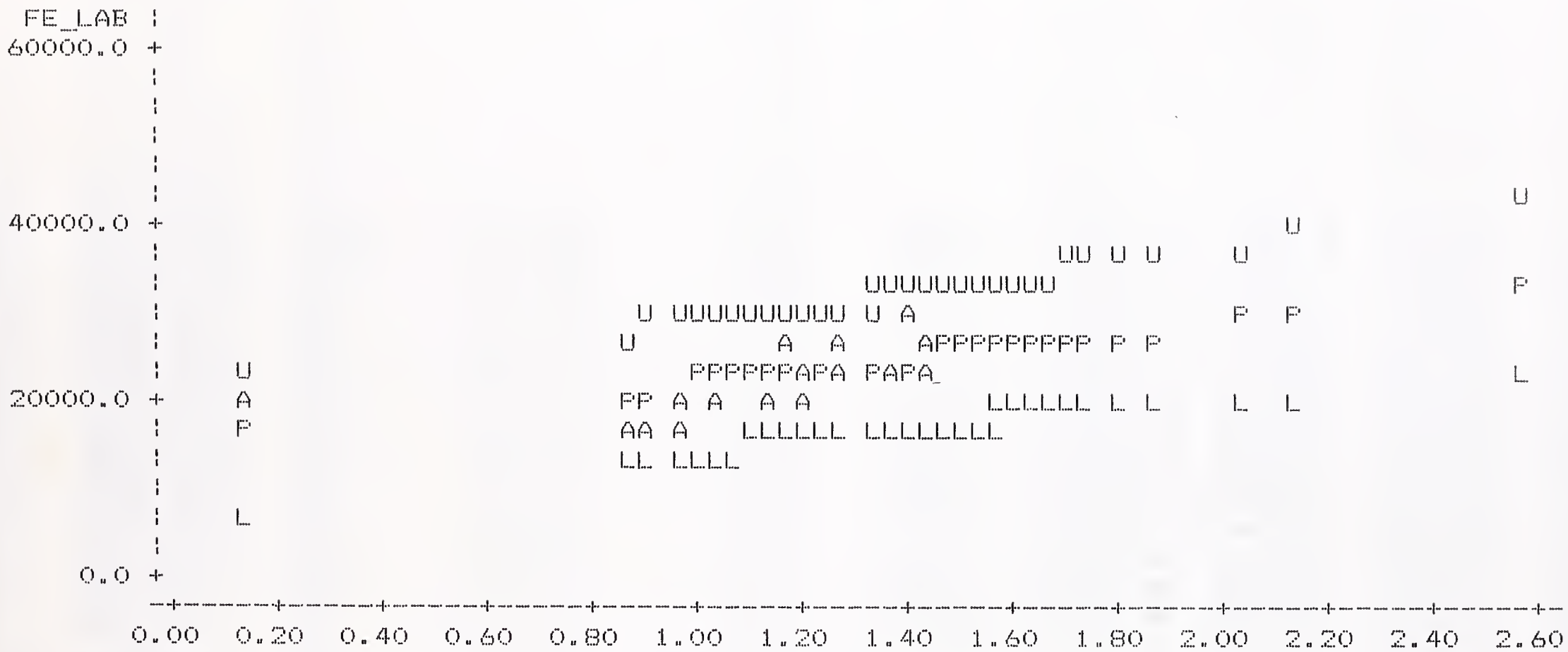
NOTE: 65 obs had missing values 166 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	04	0S-0W	0-4		1.25	.	23660.30	3480.95	16347.14	30973.46
2	04	0S-100E	0-1.5		1.00	.	21813.57	3478.48	14505.60	29121.54
3	04	0S-100E	1.5-4		1.02	.	21961.31	3474.13	14662.48	29260.14
4	04	0S-100E	4-8		2.13	.	30160.78	4360.53	20999.70	39321.86
5	04	0S-100E	8-12		1.35	.	24398.99	3516.33	17011.51	31786.47
6	04	65S-200E	1.25-3.5		1.60	.	26245.72	3685.77	18502.25	33989.18
7	04	90S-300E	0-2.5		1.27	.	23808.04	3486.48	16483.26	31132.81
8	04	40S-300E	2.5-4		1.16	.	22995.48	3465.81	15714.13	30276.83
9	04	90S-300E	4-10.		1.79	.	27649.23	3884.22	19488.85	35809.61
10	04	90S-300E	10-15		0.89	.	21001.01	3516.33	13613.53	28388.49
11	04	100S-400E	0-2		1.11	.	22626.13	3464.32	15347.91	29904.35
12	04	100S-400E	3.5-8		1.52	.	25654.76	3619.51	18050.50	33259.03
13	04	100S-400E	3.5-8		1.46	.	25211.55	3577.10	17696.40	32726.70
14	04	100S-500E	2-4		1.01	.	21887.44	3476.21	14584.24	29190.64
15	04	100S-500E	4-8		1.88	.	28314.05	3996.50	19917.78	36710.32
16	04	0S-500E	0-2		1.44	.	25063.81	3564.39	17575.36	32552.26
17	04	0S-500E	4-8		1.56	.	25950.24	3651.29	18279.22	33621.26
18	04	0S-400E	0-2		1.32	.	24177.38	3503.69	16816.45	31538.32
19	04	0S-400E	4.5-6		1.64	.	26541.19	3722.89	18719.75	34362.64
20	04	0S-300E	4-6		1.28	.	23881.91	3489.53	16550.71	31213.10
21	04	0S-300E	2-4		1.37	.	24546.73	3525.70	17139.56	31953.89
22	04	0S-300E	0-2		1.47	.	25285.42	3583.72	17756.35	32814.49
23	04	0S-200E	5-8		1.35	.	24398.99	3516.33	17011.51	31786.47
24	04	0S-200E	3-5		1.17	.	23069.35	3466.70	15786.12	30352.57
25	04	0S-200E	0-3		1.16	.	22995.48	3465.81	15714.13	30276.83
26	04	0S-200E	3-5		1.15	.	22921.61	3465.12	15641.72	30201.50
27	04	75N-400E	0-2		1.38	.	24620.60	3530.67	17202.99	32038.20
28	04	75N-400E	5-7		1.25	.	23660.30	3480.95	16347.14	30973.46
29	04	75N-400E	10-15		1.21	.	23364.82	3472.25	16069.94	30659.70
30	04	100N-300E	0-2		1.63	.	26467.32	3713.37	18665.88	34268.77
31	04	100N-300E	2-4		1.66	.	26688.93	3742.41	18826.46	34551.40
32	04	100N-300E	4-6		2.12	.	30086.91	4344.66	20959.18	39214.64
33	04	100N-200E	0-2		1.57	.	26024.11	3659.66	18335.51	33712.71
34	04	100N-200E	5-7		1.34	.	24325.12	3511.92	16946.89	31703.35
35	04	100N-100E	0-2		1.53	.	25728.63	3627.20	18108.22	33349.04

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	04	100N-100E	4-6		2.02	.	29348.22	4191.63	20541.99	38154.45
37	04	100N-100E	10-15		1.34	.	24325.12	3511.92	16946.89	31703.35
38	04	200N-100E	0-2		1.09	.	22478.39	3465.12	15198.50	29758.28
39	04	200N-100E	2-6		1.32	.	24177.38	3503.69	16816.45	31538.32
40	04	250S-0E	0-3		2.58	.	33484.89	5162.95	22638.00	44331.78
41	04	250S-0E	3-5		1.23	.	23512.56	3476.21	16209.36	30815.76
42	04	250S-0E	5-8		1.32	.	24177.38	3503.69	16816.45	31538.32
43	04	250S-100E	0-3		1.33	.	24251.25	3507.71	16881.87	31620.63
44	04	250S-100E	3-5		1.34	.	24325.12	3511.92	16946.89	31703.35
45	04	250S-100E	5-8		1.55	.	25876.37	3643.09	18222.58	33530.16
46	04	250S-200E	0-2		1.58	.	26097.98	3668.19	18391.44	33804.52
47	04	250S-200E	5-7		1.48	.	25359.29	3590.53	17815.92	32902.65
48	04	250S-200E	10-15		1.09	.	22478.39	3465.12	15198.50	29758.28
49	04	250S-300E	0-2		1.46	.	25211.55	3577.10	17696.40	32726.70
50	04	250S-300E	5-7		1.37	.	24546.73	3525.70	17139.56	31953.89
51	04	250S-400E	3-5		1.12	.	22700.00	3464.22	15421.98	29978.02
52	04	250S-400E	1-3		1.50	.	25507.03	3604.67	17933.95	33080.10
53	04	250S-400E	0-1		1.51	.	25580.90	3612.00	17992.41	33169.38
54	04	250S-500E	4-6		1.05	.	22182.92	3469.08	14894.69	29471.14
55	04	250S-500E	2-4		1.53	.	25728.63	3627.20	18108.22	33349.04
56	04	250S-500E	0-2		1.46	.	25211.55	3577.10	17696.40	32726.70
57	04	350S-500E	4-6		1.09	.	22478.39	3465.12	15198.50	29758.28
58	04	350S-500E	0-2		1.34	.	24325.12	3511.92	16946.89	31703.35
59	04	350S-400E	6-8		1.73	.	27206.02	3815.64	19189.70	35222.33
60	04	350S-400E	4-6		1.22	.	23438.69	3474.13	16139.86	30737.52
61	04	350S-400E	0-4		1.63	.	26467.32	3713.37	18665.88	34268.77
62	04	175S-100E	4-6		1.68	.	26836.67	3762.57	18931.86	34741.48
63	04	175S-100E	2-4		1.71	.	27058.28	3793.96	19087.52	35029.03
64	04	175S-100E	0-2		1.67	.	26762.80	3752.41	18879.33	34646.27
65	04	175S-100E	10-15		1.26	.	23734.17	3483.62	16415.41	31052.93
66	04	0S-0E	0-2	8-61001	1.44	23600.0	25063.81	3564.39	17575.36	32552.26
67	04	100N-100E	0-2	8-61002	1.25	25800.0	23660.30	3480.95	16347.14	30973.46
68	04	100N-100E	4-6	8-61003	1.39	30400.0	24694.47	3535.82	17266.03	32122.91
69	04	100N-100E	10-15	8-61004	0.95	20600.0	21444.23	3492.78	14106.21	28782.24
70	04	200N-100E	5-8	8-61005	0.87	18200.0	20853.27	3525.70	13446.11	28260.44

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
71	04	0N-200E	5-8	8-61006	0.96	18000.0	21518.09	3489.53	14186.90	28849.29
72	04	0N-300E	4-6	8-61007	0.89	18000.0	21001.01	3516.33	13613.53	28388.49
73	04	0N-400E	4.5-6	8-61011	1.16	27400.0	22995.48	3465.81	15714.13	30276.83
74	04	100N-300E	0-2	8-61012	1.20	24200.0	23290.95	3470.57	15999.61	30582.30
75	04	100N-300E	2-4	8-61013	1.14	20600.0	22847.74	3464.62	15568.89	30126.59
76	04	100N-300E	4-6	8-61014	1.43	25400.0	24989.94	3558.31	17514.26	32465.62
77	04	250S-400E	0-1	8-61015	1.27	25000.0	23808.04	3486.48	16483.26	31132.81
78	04	250S-400E	3-5	8-61016	0.96	19400.0	21518.09	3489.53	14186.90	28849.29
79	04	350S-500E	0-2	8-61018	1.19	20400.0	23217.08	3469.08	15928.86	30505.31
80	04	250S-200E	0-2	8-61019	1.14	20400.0	22847.74	3464.62	15568.89	30126.59
81	04	250S-0E	0-3	8-61020	1.39	31200.0	24694.47	3535.82	17266.03	32122.91
82	04	250s-0E	5-8	8-61021	0.13	21000.0	15386.96	4328.89	6292.37	24481.55
83	04	100S-400E	0-2	8-61022	1.37	22200.0	24546.73	3525.70	17139.56	31953.89
84	04	100S-400E	3.5-8	8-61023	1.02	18400.0	21961.31	3474.13	14662.48	29260.14
85	04	90S-300E	4-10	8-61024	1.25	23800.0	23660.30	3480.95	16347.14	30973.46

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L



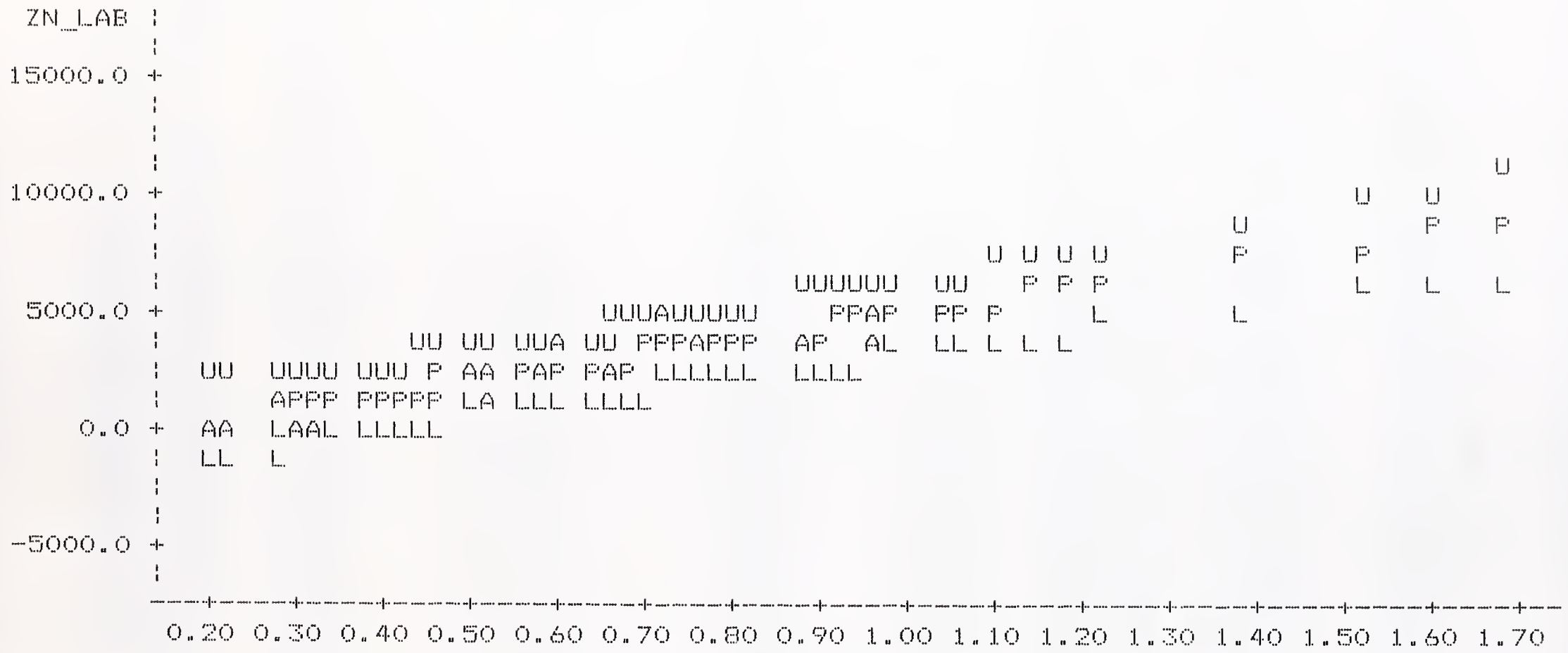
NOTE: 65 obs had missing values 169 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	04	0S-0W	0-4		0.35	.	1237.49	679.742	-190.58	2665.57
2	04	0S-100E	0-1.5		0.44	.	1737.75	671.387	327.22	3148.27
3	04	0S-100E	1.5-4		0.57	.	2460.34	667.206	1058.60	3862.08
4	04	0S-100E	4-8		1.04	.	5072.78	728.358	3542.57	6603.00
5	04	0S-100E	8-12		0.34	.	1181.91	680.939	-248.68	2612.50
6	04	65S-200E	1.25-3.5		1.39	.	7018.22	837.560	5258.59	8777.86
7	04	90S-300E	0-2.5		0.66	.	2960.59	669.852	1553.30	4367.89
8	04	40S-300E	2.5-4		0.66	.	2960.59	669.852	1553.30	4367.89
9	04	90S-300E	4-10.		1.53	.	7796.40	891.958	5922.47	9670.32
10	04	90S-300E	10-15		0.27	.	792.82	690.778	-658.44	2244.08
11	04	100S-400E	0-2		0.70	.	3182.93	672.474	1770.12	4595.74
12	04	100S-400E	3.5-8		1.23	.	6128.88	782.274	4485.39	7772.37
13	04	100S-400E	3.5-8		1.19	.	5906.54	769.779	4289.31	7523.78
14	04	100S-500E	2-4		0.42	.	1626.58	672.864	212.95	3040.20
15	04	100S-500E	4-8		0.61	.	2682.67	667.823	1279.64	4085.71
16	04	0S-500E	0-2		0.58	.	2515.92	667.276	1114.04	3917.81
17	04	0S-500E	4-8		0.60	.	2627.09	667.585	1224.56	4029.62
18	04	0S-400E	0-2		0.71	.	3238.51	673.267	1824.04	4652.99
19	04	0S-400E	4.5-6		1.60	.	8185.48	920.942	6250.67	10120.30
20	04	0S-300E	4-6		0.68	.	3071.76	671.053	1661.94	4481.58
21	04	0S-300E	2-4		0.65	.	2905.01	669.335	1498.80	4311.22
22	04	0S-300E	0-2		0.79	.	3683.18	681.557	2251.30	5115.07
23	04	0S-200E	5-8		1.14	.	5628.62	754.986	4042.47	7214.78
24	04	0S-200E	3-5		0.50	.	2071.25	668.285	667.24	3475.26
25	04	0S-200E	0-3		0.58	.	2515.92	667.276	1114.04	3917.81
26	04	0S-200E	3-5		0.47	.	1904.50	669.587	497.76	3311.24
27	04	75N-400E	0-2		0.57	.	2460.34	667.206	1058.60	3862.08
28	04	75N-400E	5-7		0.50	.	2071.25	668.285	667.24	3475.26
29	04	75N-400E	10-15		0.39	.	1459.83	675.487	40.69	2878.96
30	04	100N-300E	0-2		0.78	.	3627.60	680.334	2198.28	5056.92
31	04	100N-300E	2-4		1.07	.	5239.54	735.913	3693.45	6785.62
32	04	100N-300E	4-6		1.37	.	6907.05	830.219	5162.84	8651.27
33	04	100N-200E	0-2		1.11	.	5461.87	746.571	3893.40	7030.35
34	04	100N-200E	5-7		0.42	.	1626.58	672.864	212.95	3040.20
35	04	100N-100E	0-2		0.98	.	4739.28	714.423	3238.34	6240.22

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	04	100N-100E	4-6		1.68	.	8630.16	955.342	6623.07	10637.24
37	04	100N-100E	10-15		0.46	.	1848.91	670.132	441.03	3256.80
38	04	200N-100E	0-2		0.52	.	2182.42	667.697	779.65	3585.19
39	04	200N-100E	2-6		0.51	.	2126.83	667.963	723.50	3530.16
40	04	250S-0E	0-3		1.04	.	5072.78	728.358	3542.57	6603.00
41	04	250S-0E	3-5		0.83	.	3905.52	686.974	2462.25	5348.79
42	04	250S-0E	5-8		0.53	.	2238.00	667.487	835.67	3640.33
43	04	250S-100E	0-3		0.67	.	3016.18	670.425	1607.68	4424.68
44	04	250S-100E	3-5		0.88	.	4183.44	694.898	2723.52	5643.36
45	04	250S-100E	5-8		0.96	.	4628.11	710.140	3136.17	6120.05
46	04	250S-200E	0-2		0.83	.	3905.52	686.974	2462.25	5348.79
47	04	250S-200E	5-7		1.06	.	5183.95	733.353	3643.25	6724.66
48	04	250S-200E	10-15		0.38	.	1404.24	676.471	-16.96	2825.45
49	04	250S-300E	0-2		0.75	.	3460.85	676.982	2038.57	4883.13
50	04	250S-300E	5-7		0.93	.	4461.36	704.064	2982.19	5940.53
51	04	250S-400E	3-5		0.40	.	1515.41	674.558	98.23	2932.60
52	04	250S-400E	1-3		0.94	.	4516.94	706.042	3033.61	6000.27
53	04	250S-400E	0-1		1.07	.	5239.54	735.913	3693.45	6785.62
54	04	250S-500E	4-6		0.40	.	1515.41	674.558	98.23	2932.60
55	04	250S-500E	2-4		0.98	.	4739.28	714.423	3238.34	6240.22
56	04	250S-500E	0-2		0.92	.	4405.78	702.134	2930.66	5880.89
57	04	350S-500E	4-6		0.42	.	1626.58	672.864	212.95	3040.20
58	04	350S-500E	0-2		0.75	.	3460.85	676.982	2038.57	4883.13
59	04	350S-400E	6-8		0.94	.	4516.94	706.042	3033.61	6000.27
60	04	350S-400E	4-6		0.90	.	4294.61	698.418	2827.30	5761.92
61	04	350S-400E	0-4		0.95	.	4572.53	708.067	3084.94	6060.11
62	04	175S-100E	4-6		0.71	.	3238.51	673.267	1824.04	4652.99
63	04	175S-100E	2-4		0.80	.	3738.77	682.833	2304.20	5173.34
64	04	175S-100E	0-2		0.83	.	3905.52	686.974	2462.25	5348.79
65	04	175S-100E	10-15		0.76	.	3516.43	678.046	2091.92	4940.95
66	04	0S-0E	0-2	8-61001	0.53	1660.0	2238.00	667.487	835.67	3640.33
67	04	100N-100E	0-2	8-61002	0.76	3700.0	3516.43	678.046	2091.92	4940.95
68	04	100N-100E	4-6	8-61003	0.88	3500.0	4183.44	694.898	2723.52	5643.36
69	04	100N-100E	10-15	8-61004	0.21	217.0	459.32	701.187	-1013.81	1932.44
70	04	200N-100E	5-8	8-61005	0.29	1400.0	903.99	687.709	-540.83	2348.80

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
71	04	0N-200E	5-8	8-61006	0.28	841.0	848.40	689.218	-599.58	2296.39
72	04	0N-300E	4-6	8-61007	0.23	333.0	570.48	697.520	-894.94	2035.91
73	04	0N-400E	4.5-6	8-61011	0.96	5310.0	4628.11	710.140	3136.17	6120.05
74	04	100N-300E	0-2	8-61012	0.53	2960.0	2238.00	667.487	835.67	3640.33
75	04	100N-300E	2-4	8-61013	0.59	3080.0	2571.51	667.403	1169.35	3973.66
76	04	100N-300E	4-6	8-61014	0.97	3710.0	4683.70	712.258	3187.31	6180.09
77	04	250S-400E	0-1	8-61015	0.61	3770.0	2682.67	667.823	1279.64	4085.71
78	04	250S-400E	3-5	8-61016	0.30	474.0	959.57	686.251	-482.18	2401.32
79	04	350S-500E	0-2	8-61018	0.52	2220.0	2182.42	667.697	779.65	3585.19
80	04	250S-200E	0-2	8-61019	0.50	2170.0	2071.25	668.285	667.24	3475.26
81	04	250S-0E	0-3	8-61020	0.72	4610.0	3294.10	674.114	1877.84	4710.35
82	04	250s-0E	5-8	8-61021	0.32	468.0	1070.74	683.490	-365.21	2506.69
83	04	100S-400E	0-2	8-61022	0.67	2580.0	3016.18	670.425	1607.68	4424.68
84	04	100S-400E	3.5-8	8-61023	0.50	1890.0	2071.25	668.285	667.24	3475.26
85	04	90S-300E	4-10	8-61024	0.88	3480.0	4183.44	694.898	2723.52	5643.36

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L



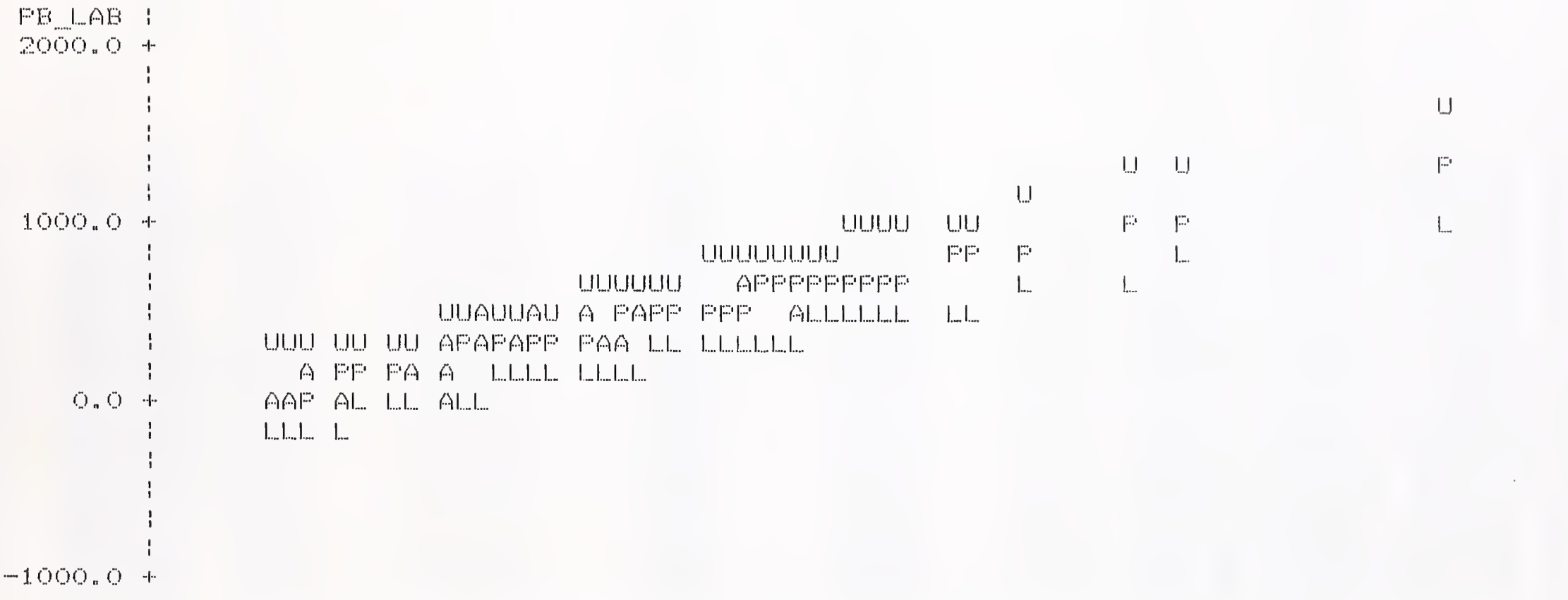
NOTE: 65 obs had missing values 146 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	04	0S-0W	0-4		0.69	0.39	.	175.01	100.564	-36.27	386.28
2	04	0S-100E	0-1.5		0.65	0.36	.	115.70	101.976	-98.55	329.94
3	04	0S-100E	1.5-4		0.92	0.55	.	491.34	102.958	275.03	707.64
4	04	0S-100E	4-8		0.80	0.39	.	175.01	100.564	-36.27	386.28
5	04	0S-100E	8-12		0.68	0.37	.	135.47	101.442	-77.65	348.59
6	04	65S-200E	1.25-3.5		1.13	0.75	.	886.75	126.392	621.21	1152.28
7	04	90S-300E	0-2.5		0.93	0.54	.	471.57	102.326	256.59	686.54
8	04	40S-300E	2.5-4		1.04	0.60	.	590.19	106.993	365.41	814.97
9	04	90S-300E	4-10.		1.28	0.81	.	1005.37	136.454	718.69	1292.05
10	04	90S-300E	10-15		0.84	0.44	.	273.86	99.505	64.81	482.91
11	04	100S-400E	0-2		0.82	0.47	.	333.17	99.665	123.79	542.56
12	04	100S-400E	3.5-8		0.99	0.57	.	530.88	104.400	311.54	750.21
13	04	100S-400E	3.5-8		0.91	0.54	.	471.57	102.326	256.59	686.54
14	04	100S-500E	2-4		0.96	0.55	.	491.34	102.958	275.03	707.64
15	04	100S-500E	4-8		1.47	0.99	.	1361.24	171.505	1000.92	1721.56
16	04	0S-500E	0-2		1.08	0.63	.	649.50	110.067	418.26	880.74
17	04	0S-500E	4-8		0.92	0.52	.	432.02	101.246	219.32	644.73
18	04	0S-400E	0-2		0.84	0.46	.	313.40	99.545	104.27	522.54
19	04	0S-400E	4.5-6		1.12	0.64	.	669.27	111.192	435.67	902.87
20	04	0S-300E	4-6		0.87	0.42	.	234.32	99.731	24.79	443.85
21	04	0S-300E	2-4		0.96	0.58	.	550.65	105.209	329.61	771.68
22	04	0S-300E	0-2		0.82	0.48	.	352.94	99.851	143.17	562.72
23	04	0S-200E	5-8		0.93	0.51	.	412.25	100.801	200.48	624.03
24	04	0S-200E	3-5		0.99	0.57	.	530.88	104.400	311.54	750.21
25	04	0S-200E	0-3		0.91	0.57	.	530.88	104.400	311.54	750.21
26	04	0S-200E	3-5		1.00	0.57	.	530.88	104.400	311.54	750.21
27	04	75N-400E	0-2		0.90	0.51	.	412.25	100.801	200.48	624.03
28	04	75N-400E	5-7		0.88	0.44	.	273.86	99.505	64.81	482.91
29	04	75N-400E	10-15		0.89	0.48	.	352.94	99.851	143.17	562.72
30	04	100N-300E	0-2		1.03	0.58	.	550.65	105.209	329.61	771.68
31	04	100N-300E	2-4		1.12	0.66	.	708.81	113.583	470.19	947.44
32	04	100N-300E	4-6		1.28	0.84	.	1064.68	141.849	766.67	1362.69
33	04	100N-200E	0-2		1.22	0.72	.	827.44	121.783	571.58	1083.29
34	04	100N-200E	5-7		0.92	0.45	.	293.63	99.492	84.61	502.65
35	04	100N-100E	0-2		1.03	0.60	.	590.19	106.993	365.41	814.97

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	04	100N-100E	4-6		1.28	0.81	.	1005.37	136.454	718.69	1292.05
37	04	100N-100E	10-15		0.92	0.53	.	451.80	101.755	238.02	665.57
38	04	200N-100E	0-2		0.96	0.48	.	352.94	99.851	143.17	562.72
39	04	200N-100E	2-6		0.84	0.43	.	254.09	99.585	44.87	463.31
40	04	250S-0E	0-3		0.94	0.60	.	590.19	106.993	365.41	814.97
41	04	250S-0E	3-5		1.10	0.63	.	649.50	110.067	418.26	880.74
42	04	250S-0E	5-8		0.81	0.43	.	254.09	99.585	44.87	463.31
43	04	250S-100E	0-3		0.82	0.48	.	352.94	99.851	143.17	562.72
44	04	250S-100E	3-5		1.05	0.61	.	609.96	107.966	383.13	836.79
45	04	250S-100E	5-8		1.09	0.65	.	689.04	112.364	452.98	925.11
46	04	250S-200E	0-2		1.07	0.63	.	649.50	110.067	418.26	880.74
47	04	250S-200E	5-7		1.08	0.61	.	609.96	107.966	383.13	836.79
48	04	250S-200E	10-15		0.88	0.46	.	313.40	99.545	104.27	522.54
49	04	250S-300E	0-2		1.10	0.65	.	689.04	112.364	452.98	925.11
50	04	250S-300E	5-7		1.00	0.57	.	530.88	104.400	311.54	750.21
51	04	250S-400E	3-5		0.85	0.43	.	254.09	99.585	44.87	463.31
52	04	250S-400E	1-3		1.07	0.60	.	590.19	106.993	365.41	814.97
53	04	250S-400E	0-1		1.03	0.57	.	530.88	104.400	311.54	750.21
54	04	250S-500E	4-6		0.96	0.48	.	352.94	99.851	143.17	562.72
55	04	250S-500E	2-4		1.05	0.62	.	629.73	108.991	400.75	858.71
56	04	250S-500E	0-2		1.10	0.62	.	629.73	108.991	400.75	858.71
57	04	350S-500E	4-6		0.95	0.48	.	352.94	99.851	143.17	562.72
58	04	350S-500E	0-2		0.97	0.57	.	530.88	104.400	311.54	750.21
59	04	350S-400E	6-8		1.20	0.68	.	748.35	116.153	504.33	992.38
60	04	350S-400E	4-6		1.10	0.64	.	669.27	111.192	435.67	902.87
61	04	350S-400E	0-4		1.14	0.71	.	807.67	120.318	554.89	1060.44
62	04	175S-100E	4-6		1.08	0.61	.	609.96	107.966	383.13	836.79
63	04	175S-100E	2-4		1.15	0.65	.	689.04	112.364	452.98	925.11
64	04	175S-100E	0-2		1.17	0.67	.	728.58	114.846	487.30	969.86
65	04	175S-100E	10-15		1.15	0.65	.	689.04	112.364	452.98	925.11
66	04	0S-0E	0-2	8-61001	0.88	0.52	416.0	432.02	101.246	219.32	644.73
67	04	100N-100E	0-2	8-61002	0.76	0.44	418.0	273.86	99.505	64.81	482.91
68	04	100N-100E	4-6	8-61003	0.96	0.59	711.0	570.42	106.073	347.57	793.27
69	04	100N-100E	10-15	8-61004	0.62	0.32	27.0	36.61	104.717	-183.39	256.61
70	04	200N-100E	5-8	8-61005	0.62	0.34	99.0	76.16	103.227	-140.72	293.03

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
71	04	0N-200E	5-8	8-61006	0.64	0.33	63.0	56.38	103.943	-161.99	274.76
72	04	0N-300E	4-6	8-61007	0.63	0.33	49.0	56.38	103.943	-161.99	274.76
73	04	0N-400E	4.5-6	8-61011	0.86	0.50	541.0	392.48	100.419	181.51	603.46
74	04	100N-300E	0-2	8-61012	0.76	0.42	259.0	234.32	99.731	24.79	443.85
75	04	100N-300E	2-4	8-61013	0.83	0.46	299.0	313.40	99.545	104.27	522.54
76	04	100N-300E	4-6	8-61014	1.01	0.62	442.0	629.73	108.991	400.75	858.71
77	04	250S-400E	0-1	8-61015	0.84	0.47	419.0	333.17	99.665	123.79	542.56
78	04	250S-400E	3-5	8-61016	0.66	0.36	53.0	115.70	101.976	-98.55	329.94
79	04	350S-500E	0-2	8-61018	0.79	0.44	315.0	273.86	99.505	64.81	482.91
80	04	250S-200E	0-2	8-61019	0.79	0.42	241.0	234.32	99.731	24.79	443.85
81	04	250S-0E	0-3	8-61020	0.91	0.53	534.0	451.80	101.755	238.02	665.57
82	04	250s-0E	5-8	8-61021	0.78	0.42	74.0	234.32	99.731	24.79	443.85
83	04	100S-400E	0-2	8-61022	0.90	0.52	297.0	432.02	101.246	219.32	644.73
84	04	100S-400E	3.5-8	8-61023	0.73	0.40	128.0	194.78	100.221	-15.78	405.33
85	04	90S-300E	4-10	8-61024	0.89	0.51	369.0	412.25	100.801	200.48	624.03

Plot of PB_LAB*AS_INDEX 'Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

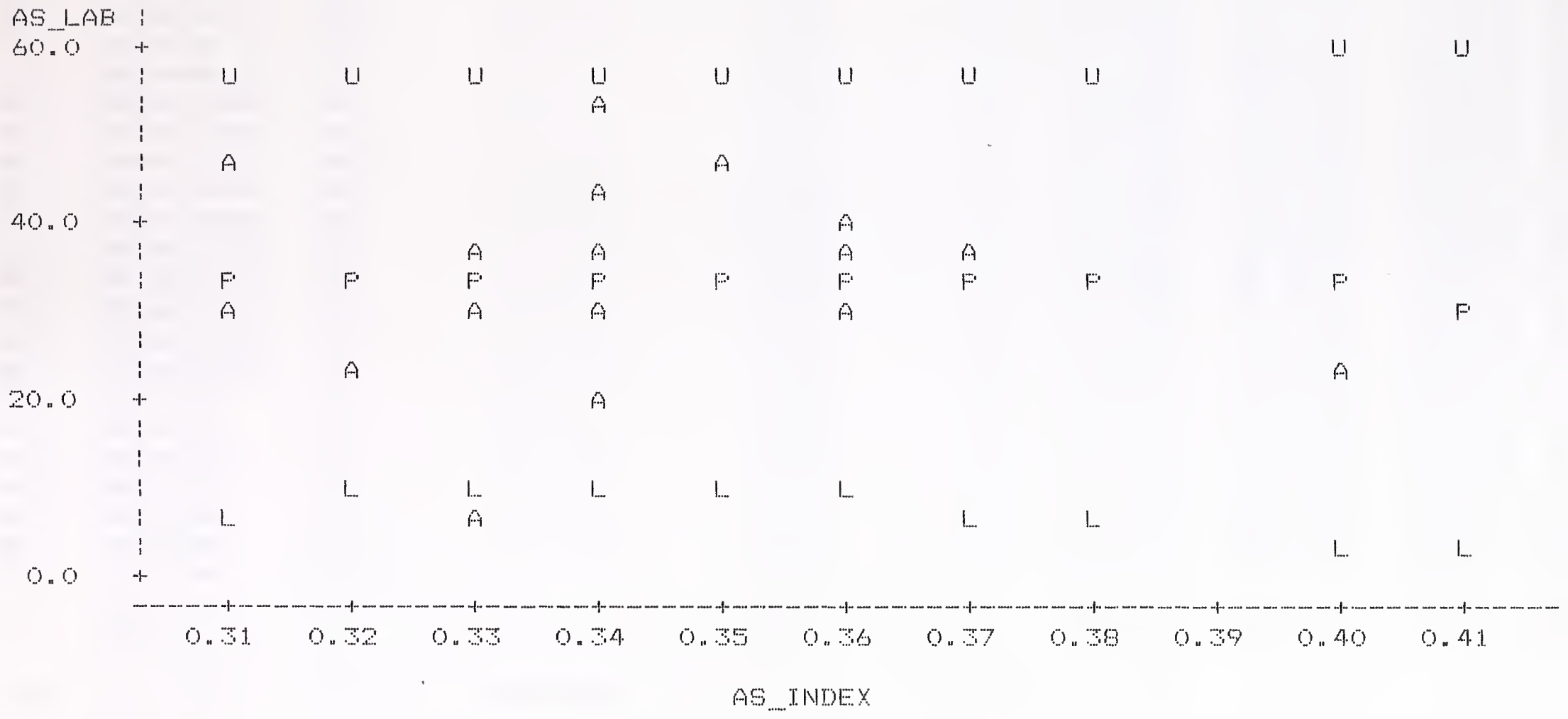


NOTE: 65 obs had missing values 154 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	09	500N-0W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
2	09	500N-0W	2-8		0.36	.	32.0517	11.2031	8.51490	55.5885
3	09	500N-0W	9-15		0.37	.	31.9582	11.4840	7.83127	56.0851
4	09	400N-0W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
5	09	300N-0W	0-2		0.37	.	31.9582	11.4840	7.83127	56.0851
6	09	200N-0W	0-2		0.35	.	32.1452	11.0412	8.94859	55.3418
7	09	100N-0W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
8	09	0N-0W	0-2		0.40	.	31.6776	12.9470	4.47721	58.8781
9	09	0N-100W	0-2		0.35	.	32.1452	11.0412	8.94859	55.3418
10	09	100N-100W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
11	09	200N-100W	0-2		0.38	.	31.8647	11.8754	6.91544	56.8139
12	09	300N-100W	0-2		0.40	.	31.6776	12.9470	4.47721	58.8781
13	09	400N-100W	0-2		0.37	.	31.9582	11.4840	7.83127	56.0851
14	09	500N-100W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
15	09	600N-100W	0-2		0.36	.	32.0517	11.2031	8.51490	55.5885
16	09	700N-100W	0-2		0.40	.	31.6776	12.9470	4.47721	58.8781
17	09	700N-100W	8-12		0.41	.	31.5841	13.6044	3.00255	60.1657
18	09	800N-100W	8-12		0.38	.	31.8647	11.8754	6.91544	56.8139
19	09	900N-100W	0-2		0.41	.	31.5841	13.6044	3.00255	60.1657
20	09	900N-0W	0-2		0.40	.	31.6776	12.9470	4.47721	58.8781
21	09	800N-0W	0-2		0.41	.	31.5841	13.6044	3.00255	60.1657
22	09	700N-0W	0-2		0.38	.	31.8647	11.8754	6.91544	56.8139
23	09	600N-0W	0-2		0.38	.	31.8647	11.8754	6.91544	56.8139
24	09	500N-200W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
25	09	400N-200W	0-2		0.37	.	31.9582	11.4840	7.83127	56.0851
26	09	400N-200W	8-12		0.32	.	32.4257	11.3016	8.68201	56.1694
27	09	400N-200W	12-16		0.36	.	32.0517	11.2031	8.51490	55.5885
28	09	300N-200W			0.35	.	32.1452	11.0412	8.94859	55.3418
29	09	200N-200W	0-2		0.37	.	31.9582	11.4840	7.83127	56.0851
30	09	100N-200W	0-2		0.38	.	31.8647	11.8754	6.91544	56.8139
31	09	0N-200W	0-2		0.37	.	31.9582	11.4840	7.83127	56.0851
32	09	600N-200W	0-2		0.34	.	32.2387	11.0035	9.12131	55.3561
33	09	700N-200W	0-2		0.33	.	32.3322	11.0913	9.03041	55.6340
34	09	800N-200W	0-2		0.31	.	32.5192	11.6279	8.09010	56.9484
35	09	900N-200W	0-2		0.33	.	32.3322	11.0913	9.03041	55.6340

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	09	900N-200W	8-12		0.36	.	32.0517	11.2031	8.51490	55.5885
37	09	900N-200W	18-24		0.34	.	32.2387	11.0035	9.12131	55.3561
38	09	900N-200W	0-2	8-39941	0.33	35.2	32.3322	11.0913	9.03041	55.6340
39	09	900N-200W	8-12	8-39942	0.31	47.5	32.5192	11.6279	8.09010	56.9484
40	09	900N-200W	18-24	8-39943	0.33	8.1	32.3322	11.0913	9.03041	55.6340
41	09	700N-200W	0-2	8-39944	0.33	29.3	32.3322	11.0913	9.03041	55.6340
42	09	500N-200W	0-2	8-39945	0.33	30.7	32.3322	11.0913	9.03041	55.6340
43	09	400N-200W	0-2	8-39946	0.32	24.8	32.4257	11.3016	8.68201	56.1694
44	09	100N-200W	0-2	8-39947	0.34	37.1	32.2387	11.0035	9.12131	55.3561
45	09	0N-100W	0-2	8-39948	0.31	28.6	32.5192	11.6279	8.09010	56.9484
46	09	200N-100W	0-2	8-39949	0.34	20.3	32.2387	11.0035	9.12131	55.3561
47	09	300N-100W	0-2	8-39950	0.34	30.2	32.2387	11.0035	9.12131	55.3561
48	09	500N-100W	0-2	8-39951	0.34	28.8	32.2387	11.0035	9.12131	55.3561
49	09	700N-100W	0-2	8-40142	0.34	51.8	32.2387	11.0035	9.12131	55.3561
50	09	800N-100W	8-12	8-40144	0.40	23.6	31.6776	12.9470	4.47721	58.8781
51	09	900N-100W	0-2	8-40145	0.34	42.4	32.2387	11.0035	9.12131	55.3561
52	09	800N-0W	0-2	8-40146	0.35	46.7	32.1452	11.0412	8.94859	55.3418
53	09	600N-0W	0-2	8-40147	0.34	20.4	32.2387	11.0035	9.12131	55.3561
54	09	500N-0W	2-8	8-40148	0.37	36.2	31.9582	11.4840	7.83127	56.0851
55	09	400N-0W	0-2	8-40149	0.36	38.9	32.0517	11.2031	8.51490	55.5885
56	09	200N-0W	0-2	8-40150	0.36	28.8	32.0517	11.2031	8.51490	55.5885
57	09	100N-0W	0-2	8-40188	0.36	35.0	32.0517	11.2031	8.51490	55.5885

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

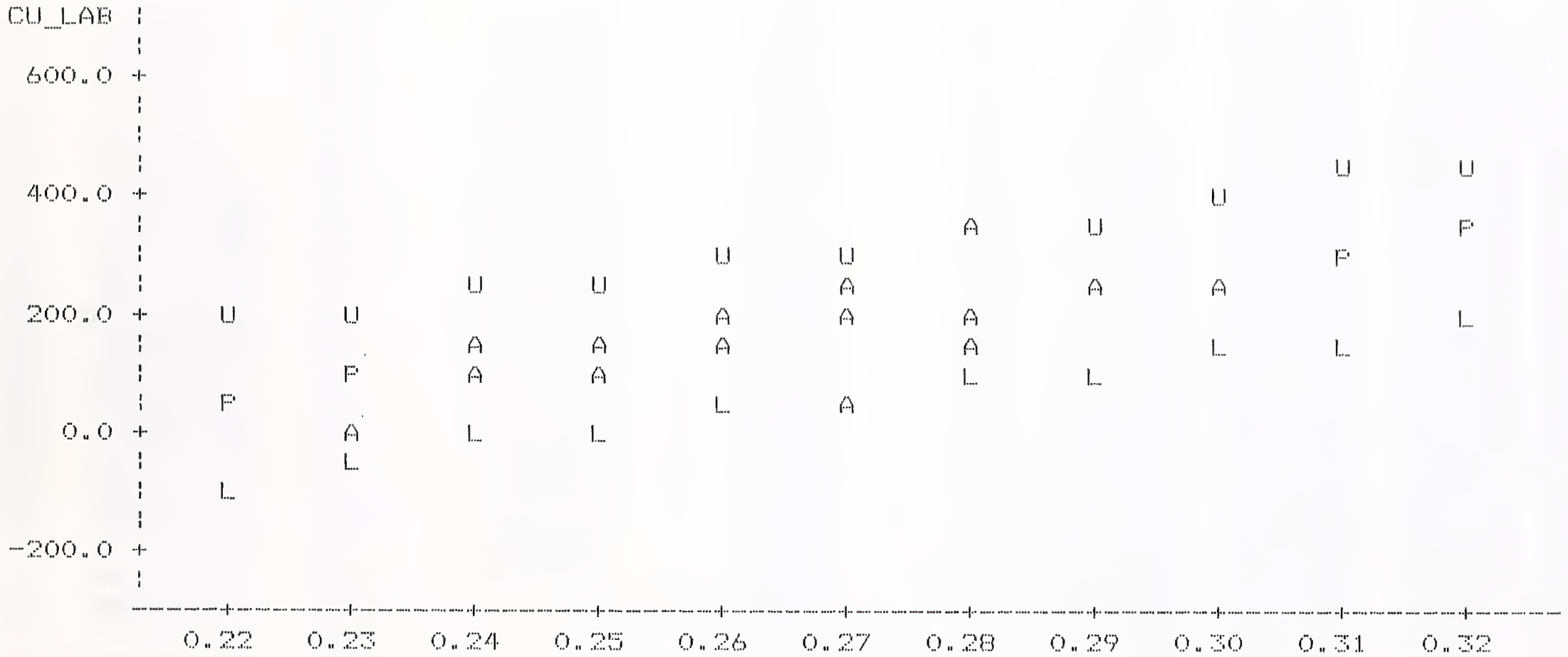


NOTE: 37 obs had missing values 144 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	09	500N-0W	0-2		0.24	.	105.398	60.9106	-22.570	233.366
2	09	500N-0W	2-8		0.30	.	272.932	63.0157	140.542	405.322
3	09	500N-0W	9-15		0.28	.	217.087	59.1401	92.840	341.335
4	09	400N-0W	0-2		0.26	.	161.243	58.4003	38.549	283.936
5	09	300N-0W	0-2		0.25	.	133.320	59.2625	8.815	257.825
6	09	200N-0W	0-2		0.27	.	189.165	58.3589	66.558	311.772
7	09	100N-0W	0-2		0.27	.	189.165	58.3589	66.558	311.772
8	09	0N-0W	0-2		0.32	.	328.777	69.5044	182.754	474.799
9	09	0N-100W	0-2		0.29	.	245.010	60.7120	117.459	372.560
10	09	100N-100W	0-2		0.32	.	328.777	69.5044	182.754	474.799
11	09	200N-100W	0-2		0.27	.	189.165	58.3589	66.558	311.772
12	09	300N-100W	0-2		0.28	.	217.087	59.1401	92.840	341.335
13	09	400N-100W	0-2		0.31	.	300.854	65.9743	162.248	439.460
14	09	500N-100W	0-2		0.27	.	189.165	58.3589	66.558	311.772
15	09	600N-100W	0-2		0.30	.	272.932	63.0157	140.542	405.322
16	09	700N-100W	0-2		0.30	.	272.932	63.0157	140.542	405.322
17	09	700N-100W	8-12		0.27	.	189.165	58.3589	66.558	311.772
18	09	800N-100W	8-12		0.31	.	300.854	65.9743	162.248	439.460
19	09	900N-100W	0-2		0.28	.	217.087	59.1401	92.840	341.335
20	09	900N-0W	0-2		0.27	.	189.165	58.3589	66.558	311.772
21	09	800N-0W	0-2		0.28	.	217.087	59.1401	92.840	341.335
22	09	700N-0W	0-2		0.29	.	245.010	60.7120	117.459	372.560
23	09	600N-0W	0-2		0.25	.	133.320	59.2625	8.815	257.825
24	09	500N-200W	0-2		0.28	.	217.087	59.1401	92.840	341.335
25	09	400N-200W	0-2		0.28	.	217.087	59.1401	92.840	341.335
26	09	400N-200W	8-12		0.28	.	217.087	59.1401	92.840	341.335
27	09	400N-200W	12-16		0.27	.	189.165	58.3589	66.558	311.772
28	09	300N-200W			0.29	.	245.010	60.7120	117.459	372.560
29	09	200N-200W	0-2		0.28	.	217.087	59.1401	92.840	341.335
30	09	100N-200W	0-2		0.27	.	189.165	58.3589	66.558	311.772
31	09	0N-200W	0-2		0.28	.	217.087	59.1401	92.840	341.335
32	09	600N-200W	0-2		0.31	.	300.854	65.9743	162.248	439.460
33	09	700N-200W	0-2		0.23	.	77.476	63.2834	-55.477	210.428
34	09	800N-200W	0-2		0.22	.	49.553	66.3030	-89.743	188.850
35	09	900N-200W	0-2		0.26	.	161.243	58.4003	38.549	283.936

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	09	900N-200W	8-12		0.23	.	77.476	63.2834	-55.477	210.428
37	09	900N-200W	18-24		0.28	.	217.087	59.1401	92.840	341.335
38	09	900N-200W	0-2	8-39941	0.27	210.0	189.165	58.3589	66.558	311.772
39	09	900N-200W	8-12	8-39942	0.28	177.0	217.087	59.1401	92.840	341.335
40	09	900N-200W	18-24	8-39943	0.23	14.0	77.476	63.2834	-55.477	210.428
41	09	700N-200W	0-2	8-39944	0.24	163.0	105.398	60.9106	-22.570	233.366
42	09	500N-200W	0-2	8-39945	0.25	139.0	133.320	59.2625	8.815	257.825
43	09	400N-200W	0-2	8-39946	0.24	124.0	105.398	60.9106	-22.570	233.366
44	09	100N-200W	0-2	8-39947	0.26	173.0	161.243	58.4003	38.549	283.936
45	09	0N-100W	0-2	8-39948	0.26	192.0	161.243	58.4003	38.549	283.936
46	09	200N-100W	0-2	8-39949	0.25	105.0	133.320	59.2625	8.815	257.825
47	09	300N-100W	0-2	8-39950	0.25	164.0	133.320	59.2625	8.815	257.825
48	09	500N-100W	0-2	8-39951	0.26	157.0	161.243	58.4003	38.549	283.936
49	09	700N-100W	0-2	8-40142	0.28	350.0	217.087	59.1401	92.840	341.335
50	09	800N-100W	8-12	8-40144	0.27	52.0	189.165	58.3589	66.558	311.772
51	09	900N-100W	0-2	8-40145	0.27	257.0	189.165	58.3589	66.558	311.772
52	09	800N-0W	0-2	8-40146	0.30	265.0	272.932	63.0157	140.542	405.322
53	09	600N-0W	0-2	8-40147	0.26	136.0	161.243	58.4003	38.549	283.936
54	09	500N-0W	2-8	8-40148	0.28	158.0	217.087	59.1401	92.840	341.335
55	09	400N-0W	0-2	8-40149	0.29	242.0	245.010	60.7120	117.459	372.560
56	09	200N-0W	0-2	8-40150	0.28	201.0	217.087	59.1401	92.840	341.335
57	09	100N-0W	0-2	8-40188	0.29	253.0	245.010	60.7120	117.459	372.560

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

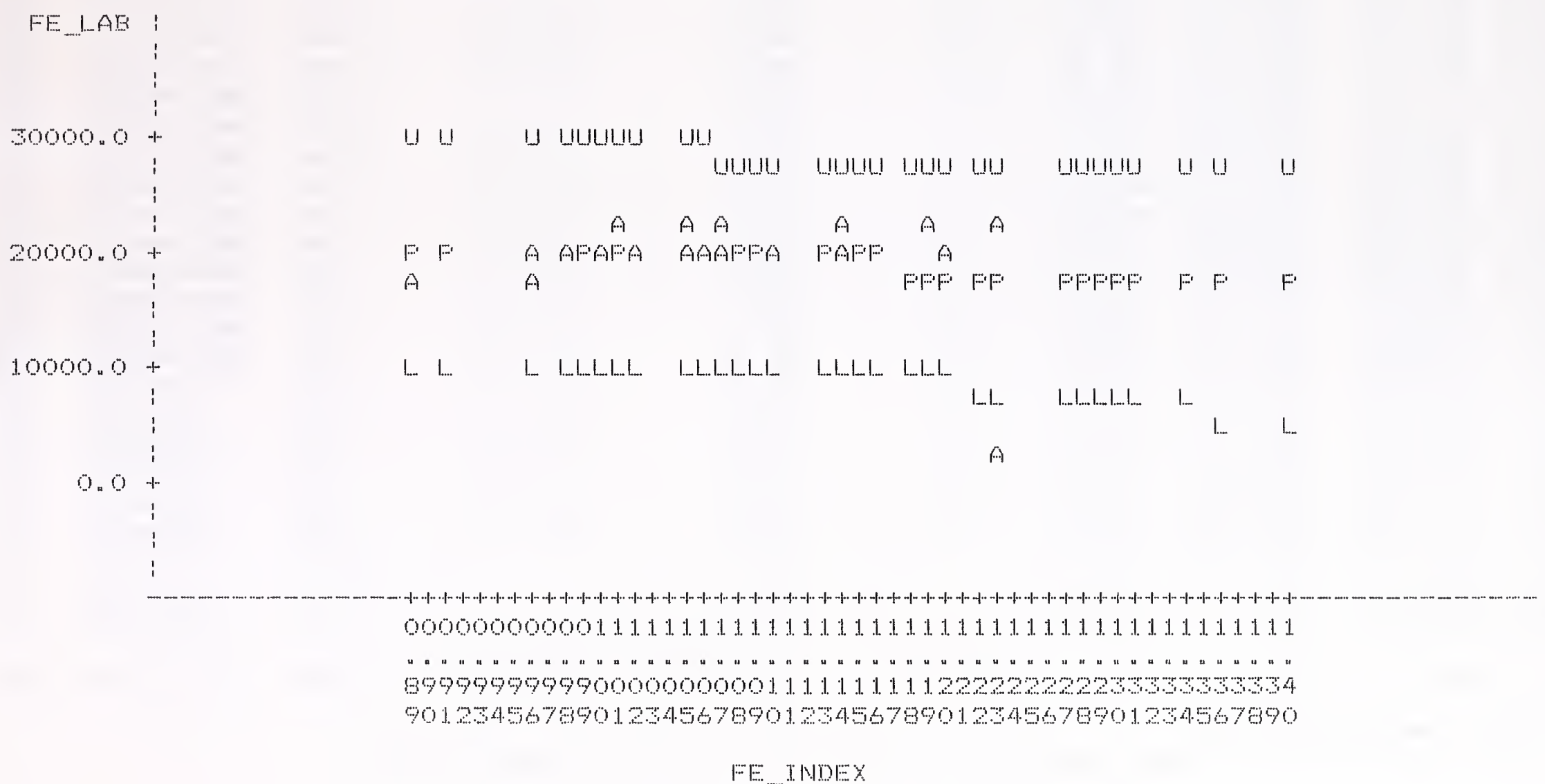


NOTE: 37 obs had missing values 152 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	09	500N-0W	0-2		1.10	.	19234.20	4412.03	9964.92	28503.47
2	09	500N-0W	2-8		1.09	.	19309.06	4405.33	10053.87	28564.25
3	09	500N-0W	9-15		1.08	.	19383.93	4400.97	10137.90	28629.96
4	09	400N-0W	0-2		1.15	.	18859.86	4480.27	9447.22	28272.50
5	09	300N-0W	0-2		1.20	.	18485.53	4604.16	8812.60	28158.45
6	09	200N-0W	0-2		1.02	.	19833.13	4424.24	10538.21	29128.06
7	09	100N-0W	0-2		0.99	.	20057.73	4467.29	10672.37	29443.10
8	09	0N-0W	0-2		1.14	.	18934.73	4462.06	9560.34	28309.11
9	09	0N-100W	0-2		1.31	.	17661.99	5049.76	7052.92	28271.06
10	09	100N-100W	0-2		1.13	.	19009.59	4446.11	9668.73	28350.46
11	09	200N-100W	0-2		1.22	.	18335.79	4668.38	8527.96	28143.62
12	09	300N-100W	0-2		1.31	.	17661.99	5049.76	7052.92	28271.06
13	09	400N-100W	0-2		1.22	.	18335.79	4668.38	8527.96	28143.62
14	09	500N-100W	0-2		1.09	.	19309.06	4405.33	10053.87	28564.25
15	09	600N-100W	0-2		1.19	.	18560.39	4575.12	8948.48	28172.30
16	09	700N-100W	0-2		1.36	.	17287.65	5318.38	6114.22	28461.09
17	09	700N-100W	8-12		1.18	.	18635.26	4548.18	9079.96	28190.56
18	09	800N-100W	8-12		1.29	.	17811.72	4952.90	7406.14	28217.30
19	09	900N-100W	0-2		1.40	.	16988.18	5557.58	5312.21	28664.16
20	09	900N-0W	0-2		1.27	.	17961.46	4862.65	7745.48	28177.43
21	09	800N-0W	0-2		1.28	.	17886.59	4906.92	7577.60	28195.58
22	09	700N-0W	0-2		1.34	.	17437.39	5206.62	6498.76	28376.02
23	09	600N-0W	0-2		1.18	.	18635.26	4548.18	9079.96	28190.56
24	09	500N-200W	0-2		1.30	.	17736.86	5000.52	7231.21	28242.50
25	09	400N-200W	0-2		1.16	.	18784.99	4500.72	9329.40	28240.59
26	09	400N-200W	8-12		1.00	.	19982.87	4450.66	10632.44	29333.29
27	09	400N-200W	12-16		0.98	.	20132.60	4486.17	10707.56	29557.64
28	09	300N-200W			1.18	.	18635.26	4548.18	9079.96	28190.56
29	09	200N-200W	0-2		1.28	.	17886.59	4906.92	7577.60	28195.58
30	09	100N-200W	0-2		1.05	.	19608.53	4402.03	10360.27	28856.79
31	09	0N-200W	0-2		1.01	.	19908.00	4436.30	10587.74	29228.26
32	09	600N-200W	0-2		1.00	.	19982.87	4450.66	10632.44	29333.29
33	09	700N-200W	0-2		0.91	.	20656.67	4678.70	10827.15	30486.18
34	09	800N-200W	0-2		1.01	.	19908.00	4436.30	10587.74	29228.26
35	09	900N-200W	0-2		1.05	.	19608.53	4402.03	10360.27	28856.79

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	09	900N-200W	8-12		1.13	.	19009.59	4446.11	9668.73	28350.46
37	09	900N-200W	18-24		1.06	.	19533.66	4399.32	10291.10	28776.23
38	09	900N-200W	0-2	8-39941	0.98	20400.0	20132.60	4486.17	10707.56	29557.64
39	09	900N-200W	8-12	8-39942	1.10	21000.0	19234.20	4412.03	9964.92	28503.47
40	09	900N-200W	18-24	8-39943	1.07	20600.0	19458.80	4398.97	10216.98	28700.62
41	09	700N-200W	0-2	8-39944	1.01	21400.0	19908.00	4436.30	10587.74	29228.26
42	09	500N-200W	0-2	8-39945	1.05	22600.0	19608.53	4402.03	10360.27	28856.79
43	09	400N-200W	0-2	8-39946	1.00	18800.0	19982.87	4450.66	10632.44	29333.29
44	09	100N-200W	0-2	8-39947	0.96	18200.0	20282.33	4530.58	10764.00	29800.67
45	09	0N-100W	0-2	8-39948	1.14	22200.0	18934.73	4462.06	9560.34	28309.11
46	09	200N-100W	0-2	8-39949	0.89	18000.0	20806.40	4751.95	10822.99	30789.82
47	09	300N-100W	0-2	8-39950	1.07	22000.0	19458.80	4398.97	10216.98	28700.62
48	09	500N-100W	0-2	8-39951	1.02	19200.0	19833.13	4424.24	10538.21	29128.06
49	09	700N-100W	0-2	8-40142	1.20	20200.0	18485.53	4604.16	8812.60	28158.45
50	09	800N-100W	8-12	8-40144	1.23	2500.0	18260.92	4703.46	8379.38	28142.47
51	09	900N-100W	0-2	8-40145	1.19	22200.0	18560.39	4575.12	8948.48	28172.30
52	09	800N-0W	0-2	8-40146	1.23	22200.0	18260.92	4703.46	8379.38	28142.47
53	09	600N-0W	0-2	8-40147	1.06	19000.0	19533.66	4399.32	10291.10	28776.23
54	09	500N-0W	2-8	8-40148	1.14	20400.0	18934.73	4462.06	9560.34	28309.11
55	09	400N-0W	0-2	8-40149	1.05	20000.0	19608.53	4402.03	10360.27	28856.79
56	09	200N-0W	0-2	8-40150	0.96	18800.0	20282.33	4530.58	10764.00	29800.67
57	09	100N-0W	0-2	8-40188	0.98	20000.0	20132.60	4486.17	10707.56	29557.64

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

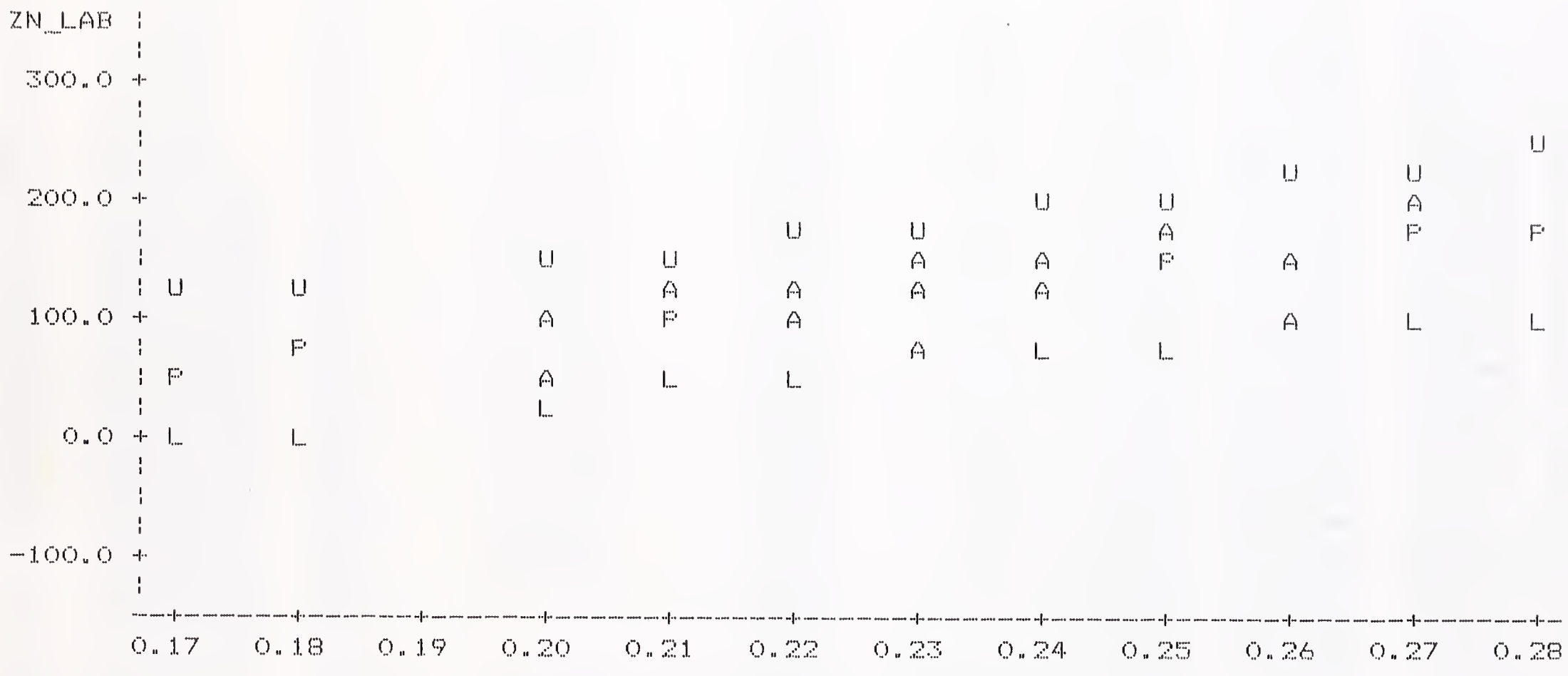


NOTE: 37 obs had missing values 88 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	09	500N-0W	0-2		0.24	.	134.507	28.0469	75.583	193.431
2	09	500N-0W	2-8		0.24	.	134.507	28.0469	75.583	193.431
3	09	500N-0W	9-15		0.21	.	101.490	28.2756	42.085	160.894
4	09	400N-0W	0-2		0.26	.	156.519	29.3924	94.768	218.270
5	09	300N-0W	0-2		0.23	.	123.501	27.8163	65.062	181.941
6	09	200N-0W	0-2		0.24	.	134.507	28.0469	75.583	193.431
7	09	100N-0W	0-2		0.26	.	156.519	29.3924	94.768	218.270
8	09	0N-0W	0-2		0.28	.	178.531	31.7790	111.766	245.295
9	09	0N-100W	0-2		0.25	.	145.513	28.5777	85.474	205.552
10	09	100N-100W	0-2		0.27	.	167.525	30.4684	103.514	231.536
11	09	200N-100W	0-2		0.24	.	134.507	28.0469	75.583	193.431
12	09	300N-100W	0-2		0.24	.	134.507	28.0469	75.583	193.431
13	09	400N-100W	0-2		0.27	.	167.525	30.4684	103.514	231.536
14	09	500N-100W	0-2		0.25	.	145.513	28.5777	85.474	205.552
15	09	600N-100W	0-2		0.27	.	167.525	30.4684	103.514	231.536
16	09	700N-100W	0-2		0.27	.	167.525	30.4684	103.514	231.536
17	09	700N-100W	8-12		0.24	.	134.507	28.0469	75.583	193.431
18	09	800N-100W	8-12		0.27	.	167.525	30.4684	103.514	231.536
19	09	900N-100W	0-2		0.26	.	156.519	29.3924	94.768	218.270
20	09	900N-0W	0-2		0.26	.	156.519	29.3924	94.768	218.270
21	09	800N-0W	0-2		0.28	.	178.531	31.7790	111.766	245.295
22	09	700N-0W	0-2		0.27	.	167.525	30.4684	103.514	231.536
23	09	600N-0W	0-2		0.26	.	156.519	29.3924	94.768	218.270
24	09	500N-200W	0-2		0.23	.	123.501	27.8163	65.062	181.941
25	09	400N-200W	0-2		0.23	.	123.501	27.8163	65.062	181.941
26	09	400N-200W	8-12		0.22	.	112.496	27.8933	53.894	171.097
27	09	400N-200W	12-16		0.20	.	90.484	28.9509	29.661	151.307
28	09	300N-200W			0.26	.	156.519	29.3924	94.768	218.270
29	09	200N-200W	0-2		0.22	.	112.496	27.8933	53.894	171.097
30	09	100N-200W	0-2		0.26	.	156.519	29.3924	94.768	218.270
31	09	0N-200W	0-2		0.22	.	112.496	27.8933	53.894	171.097
32	09	600N-200W	0-2		0.24	.	134.507	28.0469	75.583	193.431
33	09	700N-200W	0-2		0.18	.	68.472	31.0961	3.142	133.802
34	09	800N-200W	0-2		0.17	.	57.466	32.5136	-10.842	125.775
35	09	900N-200W	0-2		0.20	.	90.484	28.9509	29.661	151.307

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	09	900N-200W	8-12		0.24	.	134.507	28.0469	75.583	193.431
37	09	900N-200W	18-24		0.22	.	112.496	27.8933	53.894	171.097
38	09	900N-200W	0-2	8-39941	0.23	117.0	123.501	27.8163	65.062	181.941
39	09	900N-200W	8-12	8-39942	0.22	92.0	112.496	27.8933	53.894	171.097
40	09	900N-200W	18-24	8-39943	0.20	38.0	90.484	28.9509	29.661	151.307
41	09	700N-200W	0-2	8-39944	0.20	110.0	90.484	28.9509	29.661	151.307
42	09	500N-200W	0-2	8-39945	0.20	99.0	90.484	28.9509	29.661	151.307
43	09	400N-200W	0-2	8-39946	0.20	94.0	90.484	28.9509	29.661	151.307
44	09	100N-200W	0-2	8-39947	0.22	119.0	112.496	27.8933	53.894	171.097
45	09	0N-100W	0-2	8-39948	0.22	129.0	112.496	27.8933	53.894	171.097
46	09	200N-100W	0-2	8-39949	0.21	114.0	101.490	28.2756	42.085	160.894
47	09	300N-100W	0-2	8-39950	0.21	133.0	101.490	28.2756	42.085	160.894
48	09	500N-100W	0-2	8-39951	0.23	126.0	123.501	27.8163	65.062	181.941
49	09	700N-100W	0-2	8-40142	0.23	148.0	123.501	27.8163	65.062	181.941
50	09	800N-100W	8-12	8-40144	0.23	65.0	123.501	27.8163	65.062	181.941
51	09	900N-100W	0-2	8-40145	0.24	133.0	134.507	28.0469	75.583	193.431
52	09	800N-0W	0-2	8-40146	0.24	138.0	134.507	28.0469	75.583	193.431
53	09	600N-0W	0-2	8-40147	0.23	127.0	123.501	27.8163	65.062	181.941
54	09	500N-0W	2-8	8-40148	0.26	108.0	156.519	29.3924	94.768	218.270
55	09	400N-0W	0-2	8-40149	0.26	154.0	156.519	29.3924	94.768	218.270
56	09	200N-0W	0-2	8-40150	0.25	172.0	145.513	28.5777	85.474	205.552
57	09	100N-0W	0-2	8-40188	0.27	199.0	167.525	30.4684	103.514	231.536

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

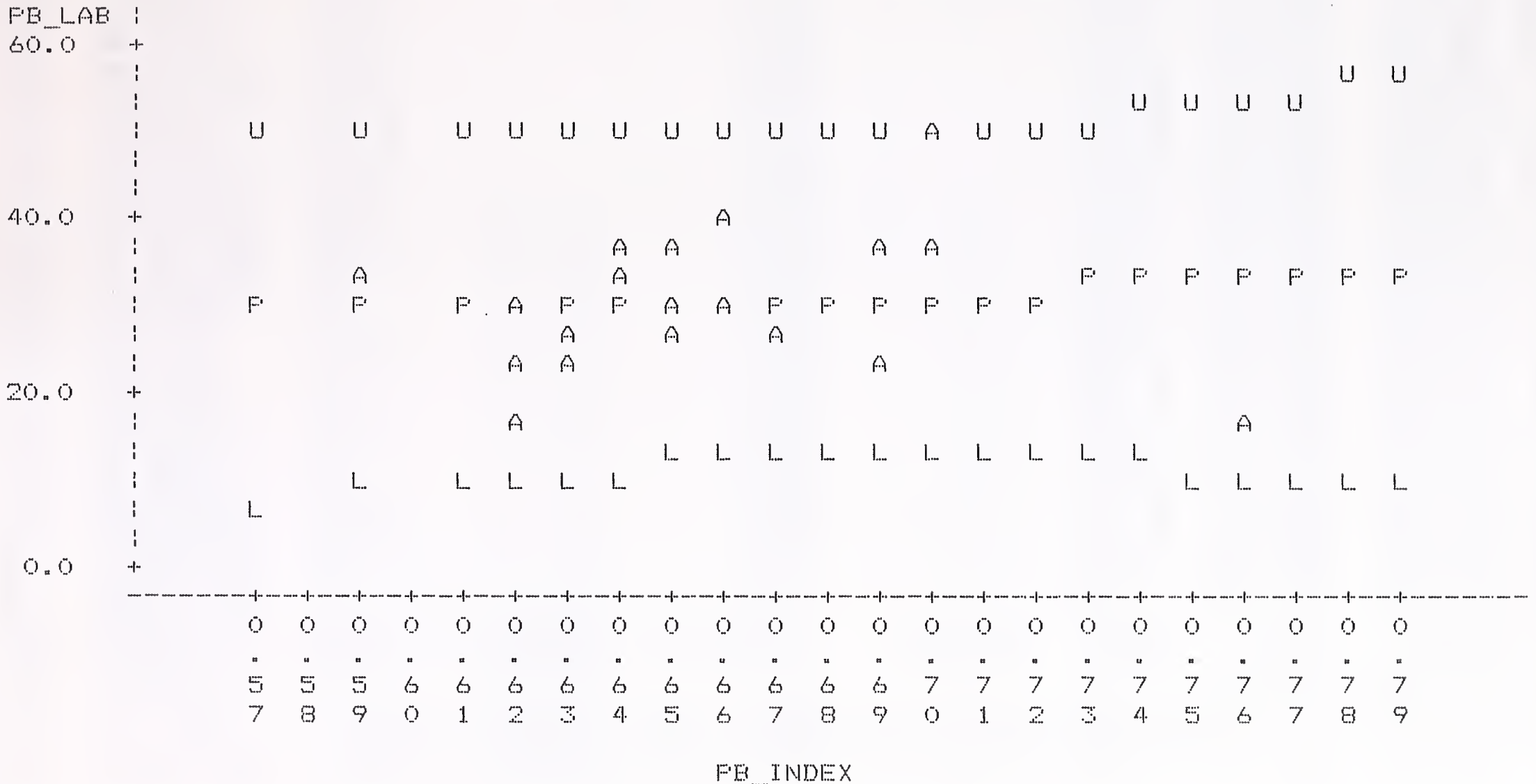


NOTE: 37 obs had missing values 151 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	09	500N-0W	0-2		0.65	.	30.2396	8.7399	11.8780	48.6012
2	09	500N-0W	2-8		0.69	.	30.9944	8.8695	12.3604	49.6283
3	09	500N-0W	9-15		0.70	.	31.1830	8.9710	12.3359	50.0302
4	09	400N-0W	0-2		0.64	.	30.0509	8.7781	11.6090	48.4929
5	09	300N-0W	0-2		0.69	.	30.9944	8.8695	12.3604	49.6283
6	09	200N-0W	0-2		0.67	.	30.6170	8.7484	12.2375	48.9965
7	09	100N-0W	0-2		0.68	.	30.8057	8.7950	12.3281	49.2832
8	09	0N-0W	0-2		0.78	.	32.6925	10.6221	10.3765	55.0085
9	09	0N-100W	0-2		0.65	.	30.2396	8.7399	11.8780	48.6012
10	09	100N-100W	0-2		0.66	.	30.4283	8.7299	12.0876	48.7690
11	09	200N-100W	0-2		0.73	.	31.7491	9.4281	11.9416	51.5566
12	09	300N-100W	0-2		0.75	.	32.1265	9.8476	11.4375	52.8155
13	09	400N-100W	0-2		0.75	.	32.1265	9.8476	11.4375	52.8155
14	09	500N-100W	0-2		0.70	.	31.1830	8.9710	12.3359	50.0302
15	09	600N-100W	0-2		0.74	.	31.9378	9.6273	11.7118	52.1638
16	09	700N-100W	0-2		0.77	.	32.5038	10.3464	10.7670	54.2407
17	09	700N-100W	8-12		0.79	.	32.8812	10.9135	9.9529	55.8095
18	09	800N-100W	8-12		0.71	.	31.3717	9.0987	12.2563	50.4872
19	09	900N-100W	0-2		0.76	.	32.3152	10.0878	11.1216	53.5087
20	09	900N-0W	0-2		0.75	.	32.1265	9.8476	11.4375	52.8155
21	09	800N-0W	0-2		0.78	.	32.6925	10.6221	10.3765	55.0085
22	09	700N-0W	0-2		0.69	.	30.9944	8.8695	12.3604	49.6283
23	09	600N-0W	0-2		0.72	.	31.5604	9.2514	12.1240	50.9968
24	09	500N-200W	0-2		0.66	.	30.4283	8.7299	12.0876	48.7690
25	09	400N-200W	0-2		0.72	.	31.5604	9.2514	12.1240	50.9968
26	09	400N-200W	8-12		0.64	.	30.0509	8.7781	11.6090	48.4929
27	09	400N-200W	12-16		0.69	.	30.9944	8.8695	12.3604	49.6283
28	09	300N-200W			0.66	.	30.4283	8.7299	12.0876	48.7690
29	09	200N-200W	0-2		0.72	.	31.5604	9.2514	12.1240	50.9968
30	09	100N-200W	0-2		0.75	.	32.1265	9.8476	11.4375	52.8155
31	09	0N-200W	0-2		0.77	.	32.5038	10.3464	10.7670	54.2407
32	09	600N-200W	0-2		0.66	.	30.4283	8.7299	12.0876	48.7690
33	09	700N-200W	0-2		0.61	.	29.4849	9.0577	10.4555	48.5142
34	09	800N-200W	0-2		0.57	.	28.7301	9.7794	8.1845	49.2757
35	09	900N-200W	0-2		0.66	.	30.4283	8.7299	12.0876	48.7690

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	09	900N-200W	8-12		0.70	.	31.1830	8.9710	12.3359	50.0302
37	09	900N-200W	18-24		0.70	.	31.1830	8.9710	12.3359	50.0302
38	09	900N-200W	0-2	8-39941	0.64	37.0	30.0509	8.7781	11.6090	48.4929
39	09	900N-200W	8-12	8-39942	0.59	32.0	29.1075	9.3726	9.4164	48.7986
40	09	900N-200W	18-24	8-39943	0.62	17.0	29.6736	8.9377	10.8962	48.4509
41	09	700N-200W	0-2	8-39944	0.63	22.0	29.8622	8.8443	11.2813	48.4432
42	09	500N-200W	0-2	8-39945	0.63	26.0	29.8622	8.8443	11.2813	48.4432
43	09	400N-200W	0-2	8-39946	0.62	23.0	29.6736	8.9377	10.8962	48.4509
44	09	100N-200W	0-2	8-39947	0.65	31.0	30.2396	8.7399	11.8780	48.6012
45	09	0N-100W	0-2	8-39948	0.62	31.0	29.6736	8.9377	10.8962	48.4509
46	09	200N-100W	0-2	8-39949	0.65	25.0	30.2396	8.7399	11.8780	48.6012
47	09	300N-100W	0-2	8-39950	0.65	36.0	30.2396	8.7399	11.8780	48.6012
48	09	500N-100W	0-2	8-39951	0.64	32.0	30.0509	8.7781	11.6090	48.4929
49	09	700N-100W	0-2	8-40142	0.66	41.0	30.4283	8.7299	12.0876	48.7690
50	09	800N-100W	8-12	8-40144	0.76	15.0	32.3152	10.0878	11.1216	53.5087
51	09	900N-100W	0-2	8-40145	0.66	31.0	30.4283	8.7299	12.0876	48.7690
52	09	800N-0W	0-2	8-40146	0.69	36.0	30.9944	8.8695	12.3604	49.6283
53	09	600N-0W	0-2	8-40147	0.67	27.0	30.6170	8.7484	12.2375	48.9965
54	09	500N-0W	2-8	8-40148	0.69	23.0	30.9944	8.8695	12.3604	49.6283
55	09	400N-0W	0-2	8-40149	0.70	38.0	31.1830	8.9710	12.3359	50.0302
56	09	200N-0W	0-2	8-40150	0.70	36.0	31.1830	8.9710	12.3359	50.0302
57	09	100N-0W	0-2	8-40188	0.70	49.0	31.1830	8.9710	12.3359	50.0302

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L

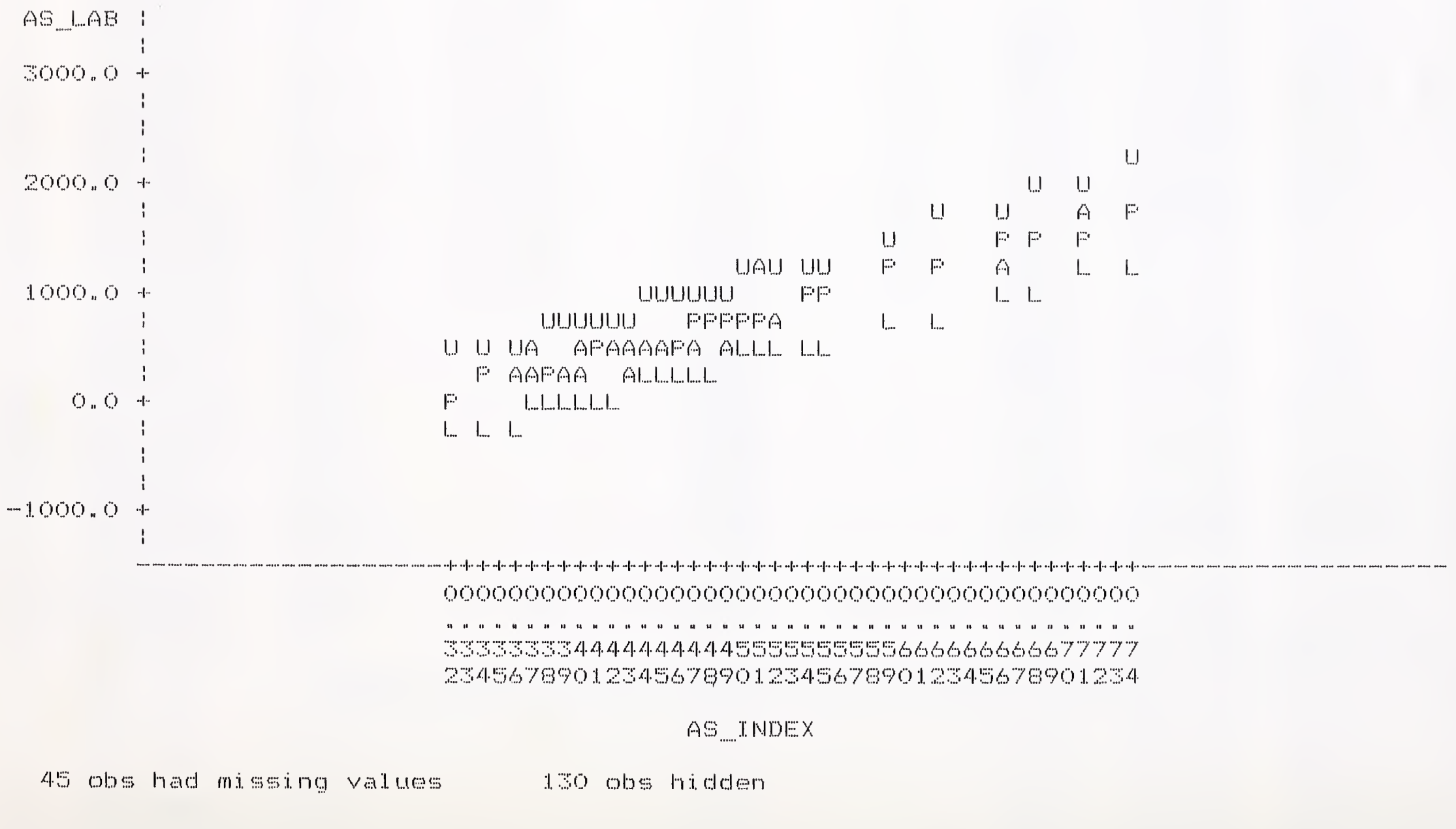


NOTE: 37 obs had missing values 113 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	10	175S-175E	0-2		0.44	.	531.57	169.826	174.78	888.36
2	10	175S-175E	2-4		0.42	.	451.05	170.360	93.14	808.97
3	10	175S-120E	.5-1.5		0.43	.	491.31	170.043	134.07	848.56
4	10	175S-120E	6-7.5		0.34	.	128.98	176.415	-241.65	499.62
5	10	175S-60E	1-4		0.45	.	571.83	169.710	215.29	928.38
6	10	175S-0E	0-2		0.39	.	330.28	171.909	-30.89	691.44
7	10	120S-60W	0-1.5		0.54	.	934.16	173.177	570.33	1297.99
8	10	120S-60W	4-6		0.43	.	491.31	170.043	134.07	848.56
9	10	120S-0E	0-1.5		0.44	.	531.57	169.826	174.78	888.36
10	10	120S-0E	9-11		0.59	.	1135.46	178.470	760.51	1510.41
11	10	120S-60E	0-1.5		0.46	.	612.09	169.694	255.58	968.60
12	10	120S-120E	0-1.5		0.68	.	1497.79	193.296	1091.69	1903.89
13	10	120S-175E	0-1.5		0.49	.	732.87	170.255	375.18	1090.56
14	10	60S-120E	0-1.5		0.43	.	491.31	170.043	134.07	848.56
15	10	60S-175E	0-1.5		0.48	.	692.61	169.967	335.52	1049.69
16	10	60S-60E	0-1.5		0.39	.	330.28	171.909	-30.89	691.44
17	10	60S-0E	0-1.5		0.38	.	290.02	172.621	-72.64	652.68
18	10	60S-60W	0-1.5		0.40	.	370.54	171.294	10.66	730.41
19	10	60S-120W	0-1.5		0.45	.	571.83	169.710	215.29	928.38
20	10	0N-175W	0-1.5		0.59	.	1135.46	178.470	760.51	1510.41
21	10	0N-60W	0-1.5		0.43	.	491.31	170.043	134.07	848.56
22	10	0N-60E	0-1.5		0.40	.	370.54	171.294	10.66	730.41
23	10	0N-175E	0-1.5		0.42	.	451.05	170.360	93.14	808.97
24	10	60N-175E	0-1.5		0.44	.	531.57	169.826	174.78	888.36
25	10	175N-175E	0-1.5		0.62	.	1256.23	182.702	872.39	1640.07
26	10	175N-60E	0-1.5		0.49	.	732.87	170.255	375.18	1090.56
27	10	175N-60W	0-1.5		0.41	.	410.80	170.778	52.01	769.58
28	10	120N-175W	0-1.5		0.49	.	732.87	170.255	375.18	1090.56
29	10	60N-175W	0-1.5		0.45	.	571.83	169.710	215.29	928.38
30	10	60N-60W	0-1.5		0.45	.	571.83	169.710	215.29	928.38
31	10	60N-60E	0-1.5		0.46	.	612.09	169.694	255.58	968.60
32	10	60N-420E	0-1.5		0.43	.	491.31	170.043	134.07	848.56
33	10	60N-420E	12-16		0.46	.	612.09	169.694	255.58	968.60
34	10	60N-300E	0-1.5		0.39	.	330.28	171.909	-30.89	691.44
35	10	175N-300E	0-1.5		0.48	.	692.61	169.967	335.52	1049.69

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	10	300N-300E	0-1.5		0.37	.	249.76	173.429	-114.60	614.12
37	10	300N-180E	0-1.5		0.38	.	290.02	172.621	-72.64	652.68
38	10	300N-75E	0-1.5		0.49	.	732.87	170.255	375.18	1090.56
39	10	300N-65W	0-1.5		0.50	.	773.13	170.642	414.62	1131.63
40	10	300-175W	0-1.5		0.38	.	290.02	172.621	-72.64	652.68
41	10	300N-175W	12-16		0.32	.	48.46	178.859	-327.30	424.23
42	10	175N-175W	0-1.5		0.45	.	571.83	169.710	215.29	928.38
43	10	420N-75E	0-1.5		0.74	.	1739.34	206.354	1305.81	2172.87
44	10	420N-180E	0-1.5		0.55	.	974.42	174.051	608.76	1340.09
45	10	420N-300E	0-1.5		0.46	.	612.09	169.694	255.58	968.60
46	10	175S-175E	0-2	8-40051	0.40	420.0	370.54	171.294	10.66	730.41
47	10	175S-120E	.5-1.5	8-40053	0.43	470.0	491.31	170.043	134.07	848.56
48	10	175S-175E	2-4	8-40054	0.39	270.0	330.28	171.909	-30.89	691.44
49	10	175S-60E	1-4	8-40055	0.42	550.0	451.05	170.360	93.14	808.97
50	10	0N-60E	0-1.5	8-40056	0.37	320.0	249.76	173.429	-114.60	614.12
51	10	60S-60W	0-1.5	8-40057	0.36	210.0	209.50	174.332	-156.75	575.76
52	10	60S-60E	0-1.5	8-40059	0.37	340.0	249.76	173.429	-114.60	614.12
53	10	60S-175E	0-1.5	8-40060	0.49	560.0	732.87	170.255	375.18	1090.56
54	10	175N-60E	0-1.5	8-40061	0.47	530.0	652.35	169.780	295.66	1009.04
55	10	175N-60W	0-1.5	8-40062	0.40	350.0	370.54	171.294	10.66	730.41
56	10	420N-75E	0-1.5	8-40063	0.66	1340.0	1417.27	189.468	1019.21	1815.33
57	10	300N-175W	12-16	8-40064	0.37	440.0	249.76	173.429	-114.60	614.12
58	10	175N-175W	0-1.5	8-40065	0.51	1310.0	813.39	171.129	453.86	1172.91
59	10	60N-420E	0-1.5	8-40066	0.47	500.0	652.35	169.780	295.66	1009.04
60	10	120S-175E	0-1.5	8-40067	0.47	590.0	652.35	169.780	295.66	1009.04
61	10	120S-0E	9-11	8-40068	0.71	1770.0	1618.57	199.545	1199.34	2037.79
62	10	120S-60W	0-1.5	8-40069	0.44	460.0	531.57	169.826	174.78	888.36
63	10	0N-175W	0-1.5	8-40070	0.52	640.0	653.64	171.714	492.89	1214.40
64	10	60N-175W	0-1.5	8-40071	0.45	570.0	571.83	169.710	215.29	928.38
65	10	120N-175W	0-1.5	8-40072	0.43	320.0	491.31	170.043	134.07	848.56

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

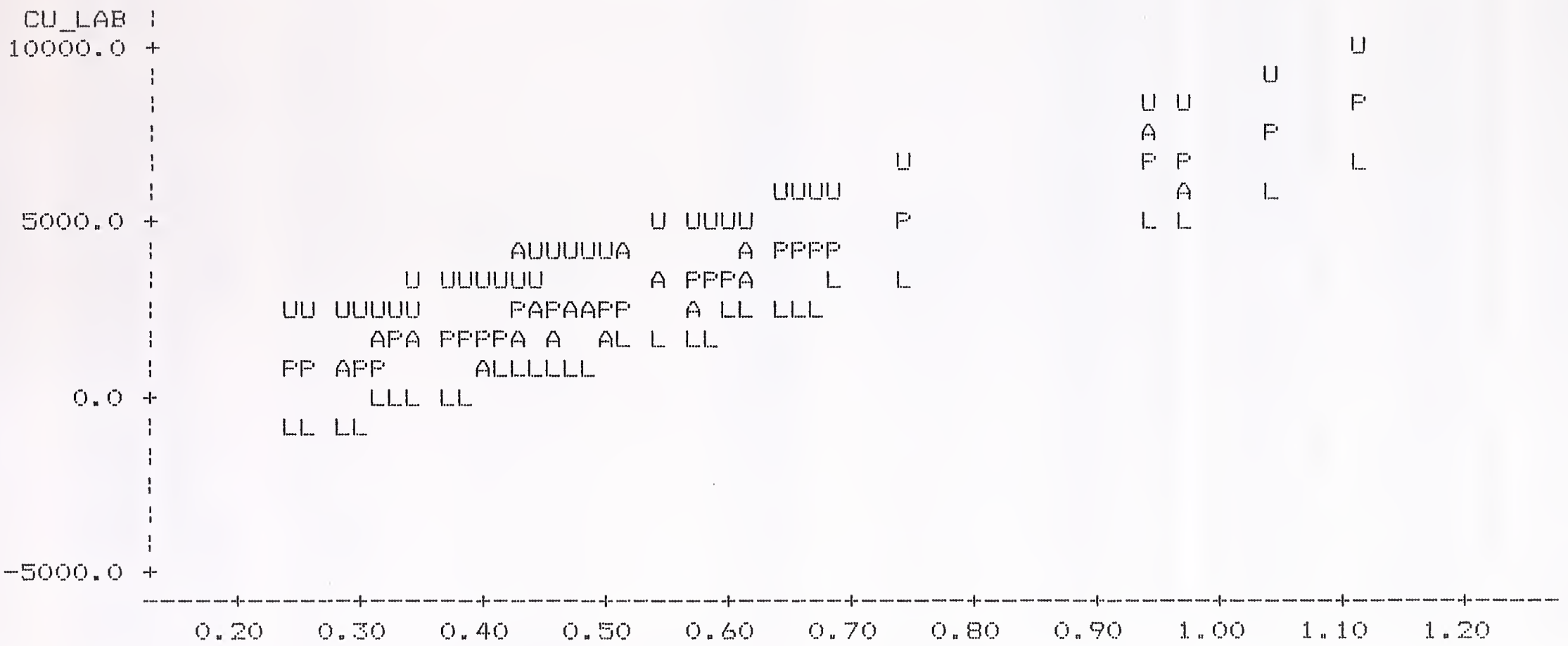


NOTE: 45 obs had missing values 130 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	10	175S-175E	0-2		0.44	.	2228.74	692.649	773.54	3683.93
2	10	175S-175E	2-4		0.59	.	3535.64	694.934	2075.65	4995.64
3	10	175S-120E	.5-1.5		0.45	.	2315.86	692.089	861.85	3769.88
4	10	175S-120E	6-7.5		0.29	.	921.83	712.953	-576.02	2419.68
5	10	175S-60E	1-4		0.74	.	4842.55	719.593	3330.75	6354.35
6	10	175S-0E	0-2		0.38	.	1705.97	698.121	239.29	3172.66
7	10	120S-60W	0-1.5		0.37	.	1618.85	699.382	149.51	3088.18
8	10	120S-60W	4-6		0.26	.	660.45	719.593	-851.35	2172.25
9	10	120S-0E	0-1.5		0.35	.	1444.59	702.197	-30.66	2919.84
10	10	120S-0E	9-11		0.47	.	2490.12	691.274	1037.81	3942.42
11	10	120S-60E	0-1.5		0.33	.	1270.34	705.401	-211.64	2752.32
12	10	120S-120E	0-1.5		0.50	.	2751.50	690.816	1300.16	4202.84
13	10	120S-175E	0-1.5		0.57	.	3361.39	693.310	1904.81	4817.97
14	10	60S-120E	0-1.5		0.40	.	1880.23	695.897	418.21	3342.24
15	10	60S-175E	0-1.5		0.60	.	3622.77	695.897	2160.76	5084.79
16	10	60S-60E	0-1.5		0.46	.	2402.99	691.631	949.94	3856.05
17	10	60S-0E	0-1.5		0.40	.	1880.23	695.897	418.21	3342.24
18	10	60S-60W	0-1.5		0.30	.	1008.96	710.924	-484.63	2502.54
19	10	60S-120W	0-1.5		0.42	.	2054.48	694.072	596.30	3512.66
20	10	0N-175W	0-1.5		0.67	.	4232.66	705.401	2750.68	5714.64
21	10	0N-60W	0-1.5		0.33	.	1270.34	705.401	-211.64	2752.32
22	10	0N-60E	0-1.5		0.34	.	1357.47	703.751	-121.05	2835.98
23	10	0N-175E	0-1.5		0.40	.	1880.23	695.897	418.21	3342.24
24	10	60N-175E	0-1.5		0.34	.	1357.47	703.751	-121.05	2835.98
25	10	175N-175E	0-1.5		0.42	.	2054.48	694.072	596.30	3512.66
26	10	175N-60E	0-1.5		0.32	.	1183.21	707.147	-302.44	2668.86
27	10	175N-60W	0-1.5		0.28	.	834.70	715.074	-667.60	2337.01
28	10	120N-175W	0-1.5		1.11	.	8066.26	859.900	6259.68	9872.83
29	10	60N-175W	0-1.5		0.46	.	2402.99	691.631	949.94	3856.05
30	10	60N-60W	0-1.5		0.35	.	1444.59	702.197	-30.66	2919.84
31	10	60N-60E	0-1.5		0.43	.	2141.61	693.310	685.03	3598.19
32	10	60N-420E	0-1.5		0.69	.	4406.92	708.988	2917.40	5896.43
33	10	60N-420E	12-16		0.31	.	1096.08	708.988	-393.43	2585.60
34	10	60N-300E	0-1.5		0.48	.	2577.25	691.020	1125.48	4029.01
35	10	175N-300E	0-1.5		0.66	.	4145.53	703.751	2667.02	5624.05

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	10	300N-300E	0-1.5		0.60	.	3622.77	695.897	2160.76	5084.79
37	10	300N-180E	0-1.5		0.30	.	1008.96	710.924	-484.63	2502.54
38	10	300N-75E	0-1.5		0.50	.	2751.50	690.816	1300.16	4202.84
39	10	300N-65W	0-1.5		0.41	.	1967.36	694.934	507.36	3427.35
40	10	300-175W	0-1.5		0.32	.	1183.21	707.147	-302.44	2668.86
41	10	300N-175W	12-16		0.25	.	573.32	721.988	-943.51	2090.15
42	10	175N-175W	0-1.5		0.48	.	2577.25	691.020	1125.48	4029.01
43	10	420N-75E	0-1.5		1.04	.	7456.37	826.258	5720.47	9192.26
44	10	420N-180E	0-1.5		0.60	.	3622.77	695.897	2160.76	5084.79
45	10	420N-300E	0-1.5		0.65	.	4058.41	702.197	2583.16	5533.66
46	10	175S-175E	0-2	8-40051	0.47	2370.0	2490.12	691.274	1037.81	3942.42
47	10	175S-120E	.5-1.5	8-40053	0.44	2230.0	2228.74	692.649	773.54	3683.93
48	10	175S-175E	2-4	8-40054	0.48	2650.0	2577.25	691.020	1125.48	4029.01
49	10	175S-60E	1-4	8-40055	0.43	3920.0	2141.61	693.310	685.03	3598.19
50	10	0N-60E	0-1.5	8-40056	0.32	1490.0	1183.21	707.147	-302.44	2668.86
51	10	60S-60W	0-1.5	8-40057	0.35	1500.0	1444.59	702.197	-30.66	2919.84
52	10	60S-60E	0-1.5	8-40059	0.51	3830.0	2838.63	690.867	1387.18	4290.07
53	10	60S-175E	0-1.5	8-40060	0.62	3490.0	3797.03	698.121	2330.34	5263.71
54	10	175N-60E	0-1.5	8-40061	0.34	1370.0	1357.47	703.751	-121.05	2835.98
55	10	175N-60W	0-1.5	8-40062	0.28	710.0	834.70	715.074	-667.60	2337.01
56	10	420N-75E	0-1.5	8-40063	0.95	7720.0	6672.22	787.349	5018.07	8326.37
57	10	300N-175W	12-16	8-40064	0.32	1410.0	1183.21	707.147	-302.44	2668.86
58	10	175N-175W	0-1.5	8-40065	0.46	2060.0	2402.99	691.631	949.94	3856.05
59	10	60N-420E	0-1.5	8-40066	0.61	3810.0	3709.90	696.959	2245.65	5174.15
60	10	120S-175E	0-1.5	8-40067	0.55	2930.0	3187.14	692.089	1733.12	4641.15
61	10	120S-0E	9-11	8-40068	0.50	1950.0	2751.50	690.816	1300.16	4202.84
62	10	120S-60W	0-1.5	8-40069	0.40	1020.0	1880.23	695.897	418.21	3342.24
63	10	0N-175W	0-1.5	8-40070	0.57	2760.0	3361.39	693.310	1904.81	4817.97
64	10	60N-175W	0-1.5	8-40071	0.43	1670.0	2141.61	693.310	685.03	3598.19
65	10	120N-175W	0-1.5	8-40072	0.97	6140.0	6846.48	795.540	5175.12	8517.83

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

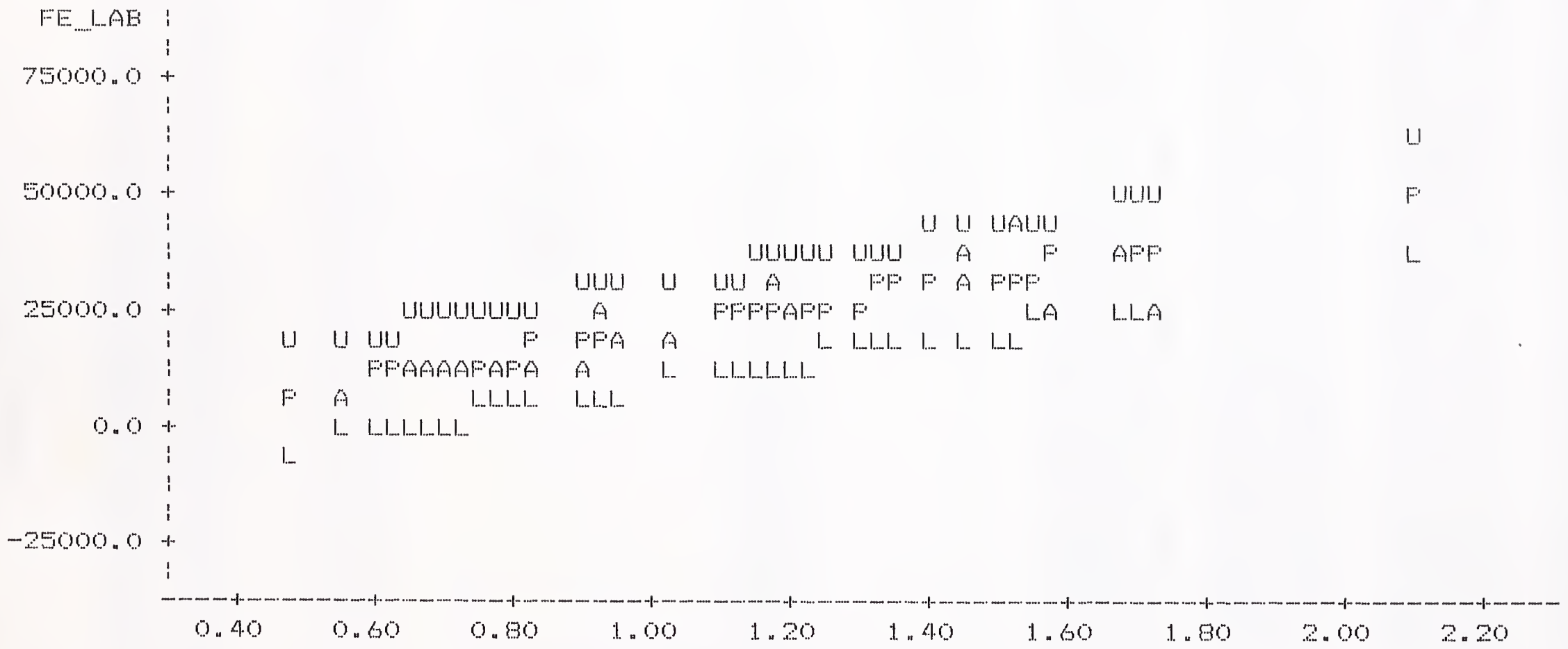


NOTE: 45 obs had missing values 109 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	10	175S-175E	0-2		1.19	.	24731.78	5103.33	14010.14	35453.41
2	10	175S-175E	2-4		1.70	.	37410.28	5436.17	25989.39	48831.17
3	10	175S-120E	.5-1.5		1.26	.	26471.96	5123.51	15707.94	37235.99
4	10	175S-120E	6-7.5		1.50	.	32438.32	5255.71	21396.56	43480.07
5	10	175S-60E	1-4		1.30	.	27466.36	5138.83	16670.14	38262.57
6	10	175S-0E	0-2		1.17	.	24234.58	5099.13	13521.77	34947.38
7	10	120S-60W	0-1.5		1.22	.	25477.57	5110.94	14739.95	36215.19
8	10	120S-60W	4-6		0.64	.	11058.88	5241.07	47.87	22069.88
9	10	120S-0E	0-1.5		0.62	.	10561.68	5255.71	-480.07	21603.44
10	10	120S-0E	9-11		1.40	.	29952.34	5189.00	19050.73	40853.94
11	10	120S-60E	0-1.5		0.76	.	14042.06	5166.91	3186.84	24897.27
12	10	120S-120E	0-1.5		1.22	.	25477.57	5110.94	14739.95	36215.19
13	10	120S-175E	0-1.5		1.31	.	27714.95	5143.09	16909.80	38520.11
14	10	60S-120E	0-1.5		0.72	.	13047.66	5189.00	2146.06	23949.27
15	10	60S-175E	0-1.5		1.44	.	30946.73	5213.73	19993.17	41900.29
16	10	60S-60E	0-1.5		0.61	.	10313.08	5263.26	-744.55	21370.72
17	10	60S-0E	0-1.5		0.65	.	11307.48	5233.99	311.34	22303.61
18	10	60S-60W	0-1.5		0.59	.	9815.89	5278.86	-1274.50	20906.28
19	10	60S-120W	0-1.5		0.78	.	14539.25	5156.88	3705.13	25373.38
20	10	0N-175W	0-1.5		1.34	.	28460.75	5156.88	17626.62	39294.87
21	10	0N-60W	0-1.5		0.79	.	14787.85	5152.11	3963.74	25611.96
22	10	0N-60E	0-1.5		0.70	.	12550.47	5201.03	1623.58	23477.36
23	10	0N-175E	0-1.5		0.78	.	14539.25	5156.88	3705.13	25373.38
24	10	60N-175E	0-1.5		0.95	.	18765.42	5099.13	8052.62	29478.23
25	10	175N-175E	0-1.5		1.31	.	27714.95	5143.09	16909.80	38520.11
26	10	175N-60E	0-1.5		0.71	.	12799.07	5194.93	1884.99	23713.14
27	10	175N-60W	0-1.5		0.92	.	18019.63	5105.70	7293.03	28746.22
28	10	120N-175W	0-1.5		0.78	.	14539.25	5156.88	3705.13	25373.38
29	10	60N-175W	0-1.5		0.81	.	15285.05	5143.09	4479.89	26090.20
30	10	60N-60W	0-1.5		0.67	.	11804.67	5220.32	837.26	22772.08
31	10	60N-60E	0-1.5		1.12	.	22991.59	5091.68	12294.44	33688.74
32	10	60N-420E	0-1.5		1.09	.	22245.79	5089.31	11553.62	32937.97
33	10	60N-420E	12-16		0.95	.	18765.42	5099.13	8052.62	29478.23
34	10	60N-300E	0-1.5		1.18	.	24483.18	5101.14	13766.14	35200.21
35	10	175N-300E	0-1.5		1.33	.	28212.15	5152.11	17388.04	39036.26

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	10	300N-300E	0-1.5		1.41	.	30200.93	5194.93	19286.86	41115.01
37	10	300N-180E	0-1.5		0.63	.	10810.28	5248.31	-215.93	21836.49
38	10	300N-75E	0-1.5		0.93	.	18268.22	5103.33	7546.59	28989.86
39	10	300N-65W	0-1.5		0.90	.	17522.43	5110.94	6784.81	28260.05
40	10	300-175W	0-1.5		0.63	.	10810.28	5248.31	-215.93	21836.49
41	10	300N-175W	12-16		0.47	.	6832.71	5385.40	-4481.53	18146.95
42	10	175N-175W	0-1.5		0.96	.	19014.02	5097.29	8305.08	29722.96
43	10	420N-75E	0-1.5		2.11	.	47602.80	5978.42	35042.69	60162.92
44	10	420N-180E	0-1.5		1.55	.	33681.31	5295.08	22556.84	44805.78
45	10	420N-300E	0-1.5		1.15	.	23737.38	5095.63	13031.94	34442.82
46	10	175S-175E	0-2	8-40051	1.17	30600.0	24234.58	5099.13	13521.77	34947.38
47	10	175S-120E	.5-1.5	8-40053	1.21	26200.0	25228.97	5108.23	14497.05	35960.90
48	10	175S-175E	2-4	8-40054	1.44	37800.0	30946.73	5213.73	19993.17	41900.29
49	10	175S-60E	1-4	8-40055	1.52	44200.0	32935.51	5270.98	21861.67	44009.36
50	10	0N-60E	0-1.5	8-40056	0.65	10800.0	11307.48	5233.99	311.34	22303.61
51	10	60S-60W	0-1.5	8-40057	0.55	8200.0	8821.50	5311.92	-2338.36	19981.35
52	10	60S-60E	0-1.5	8-40059	0.72	11800.0	13047.66	5189.00	2146.06	23949.27
53	10	60S-175E	0-1.5	8-40060	1.67	37400.0	36664.49	5405.27	25308.51	48020.46
54	10	175N-60E	0-1.5	8-40061	0.68	11000.0	12053.27	5213.73	1099.71	23006.83
55	10	175N-60W	0-1.5	8-40062	0.72	13000.0	13047.66	5189.00	2146.06	23949.27
56	10	420N-75E	0-1.5	8-40063	1.73	27800.0	38156.07	5468.36	26667.54	49644.60
57	10	300N-175W	12-16	8-40064	0.70	14800.0	12550.47	5201.03	1623.58	23477.36
58	10	175N-175W	0-1.5	8-40065	0.92	22800.0	18019.63	5105.70	7293.03	28746.22
59	10	60N-420E	0-1.5	8-40066	0.96	19000.0	19014.02	5097.29	8305.08	29722.96
60	10	120S-175E	0-1.5	8-40067	1.45	30600.0	31195.33	5220.32	20227.92	42162.74
61	10	120S-0E	9-11	8-40068	1.58	27600.0	34427.10	5320.57	23249.07	45605.14
62	10	120S-60W	0-1.5	8-40069	0.90	13200.0	17522.43	5110.94	6784.81	28260.05
63	10	0N-175W	0-1.5	8-40070	1.03	16600.0	20754.21	5089.31	10062.03	31446.38
64	10	60N-175W	0-1.5	8-40071	0.83	14600.0	15782.24	5134.74	4994.62	26569.87
65	10	120N-175W	0-1.5	8-40072	0.77	12000.0	14290.65	5161.81	3446.16	25135.15

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

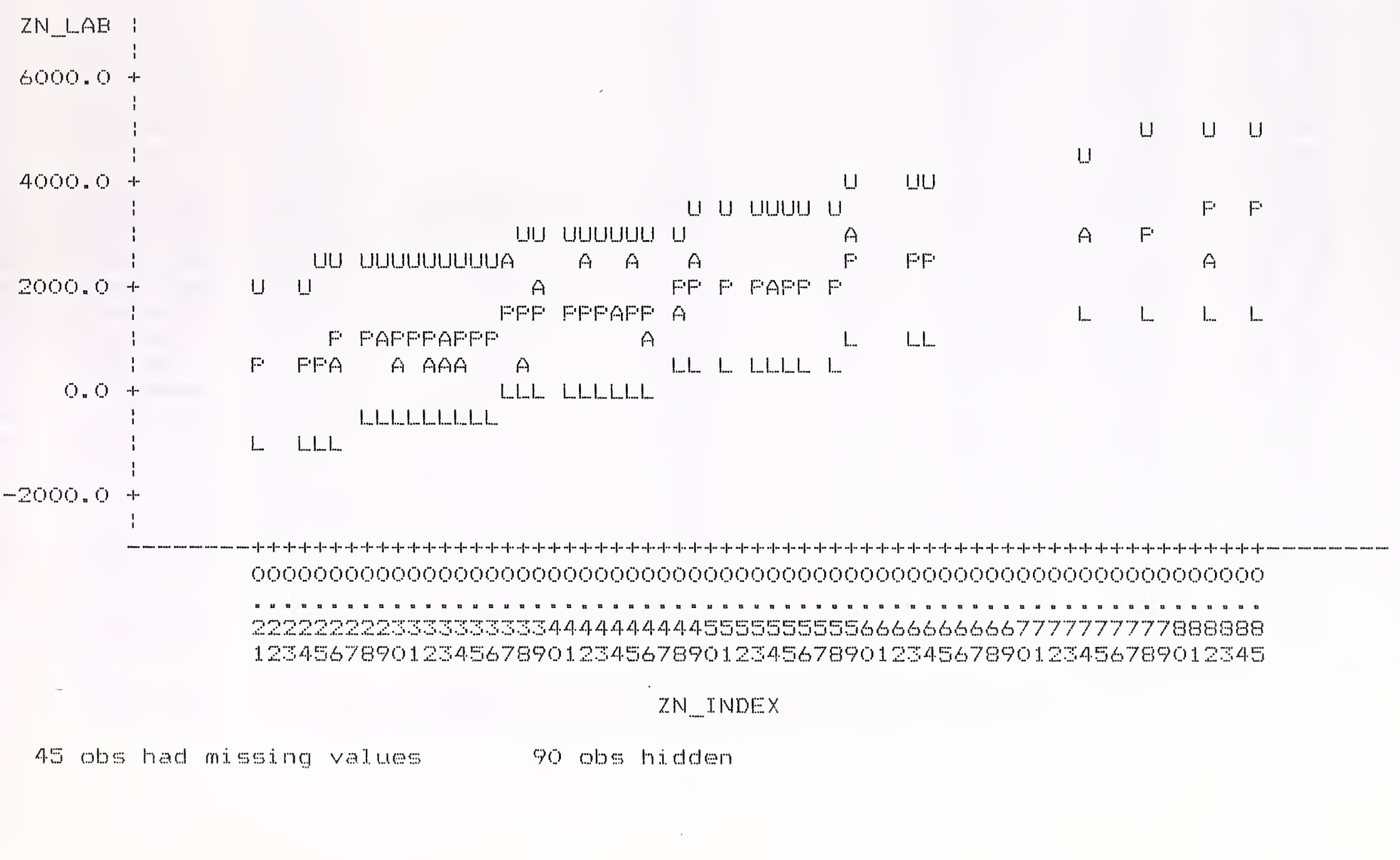


NOTE: 45 obs had missing values 102 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	10	175S-175E	0-2		0.41	.	1452.84	699.720	-17.21	2922.89
2	10	175S-175E	2-4		0.59	.	2271.25	718.069	762.65	3779.85
3	10	175S-120E	.5-1.5		0.43	.	1543.77	699.163	74.90	3012.65
4	10	175S-120E	6-7.5		0.25	.	725.36	727.244	-802.51	2253.23
5	10	175S-60E	1-4		0.64	.	2498.59	732.148	960.41	4036.76
6	10	175S-0E	0-2		0.56	.	2134.85	711.425	640.21	3629.49
7	10	120S-60W	0-1.5		0.33	.	1089.10	708.452	-399.29	2577.49
8	10	120S-60W	4-6		0.24	.	679.89	730.266	-854.33	2214.11
9	10	120S-0E	0-1.5		0.32	.	1043.63	710.264	-448.57	2535.83
10	10	120S-0E	9-11		0.46	.	1680.17	699.556	210.47	3149.88
11	10	120S-60E	0-1.5		0.29	.	907.23	716.630	-598.34	2412.80
12	10	120S-120E	0-1.5		0.43	.	1543.77	699.163	74.90	3012.65
13	10	120S-175E	0-1.5		0.44	.	1589.24	699.130	120.43	3058.05
14	10	60S-120E	0-1.5		0.34	.	1134.57	706.799	-350.35	2619.49
15	10	60S-175E	0-1.5		0.51	.	1907.51	703.481	429.56	3385.46
16	10	60S-60E	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
17	10	60S-0E	0-1.5		0.34	.	1134.57	706.799	-350.35	2619.49
18	10	60S-60W	0-1.5		0.29	.	907.23	716.630	-598.34	2412.80
19	10	60S-120W	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
20	10	0N-175W	0-1.5		0.53	.	1998.45	706.182	514.82	3482.07
21	10	0N-60W	0-1.5		0.29	.	907.23	716.630	-598.34	2412.80
22	10	0N-60E	0-1.5		0.28	.	861.76	719.059	-648.91	2372.44
23	10	0N-175E	0-1.5		0.35	.	1180.03	705.304	-301.75	2661.81
24	10	60N-175E	0-1.5		0.34	.	1134.57	706.799	-350.35	2619.49
25	10	175N-175E	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
26	10	175N-60E	0-1.5		0.29	.	907.23	716.630	-598.34	2412.80
27	10	175N-60W	0-1.5		0.24	.	679.89	730.266	-854.33	2214.11
28	10	120N-175W	0-1.5		0.85	.	3453.40	827.299	1715.32	5191.48
29	10	60N-175W	0-1.5		0.45	.	1634.71	699.261	165.62	3103.79
30	10	60N-60W	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
31	10	60N-60E	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
32	10	60N-420E	0-1.5		0.58	.	2225.78	715.701	722.16	3729.41
33	10	60N-420E	12-16		0.30	.	952.70	714.354	-548.09	2453.49
34	10	60N-300E	0-1.5		0.46	.	1680.17	699.556	210.47	3149.88
35	10	175N-300E	0-1.5		0.55	.	2089.38	709.520	598.74	3580.02

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	10	300N-300E	0-1.5		0.53	.	1998.45	706.182	514.82	3482.07
37	10	300N-180E	0-1.5		0.31	.	998.16	712.231	-498.17	2494.50
38	10	300N-75E	0-1.5		0.43	.	1543.77	699.163	74.90	3012.65
39	10	300N-65W	0-1.5		0.36	.	1225.50	703.970	-253.47	2704.48
40	10	300-175W	0-1.5		0.31	.	998.16	712.231	-498.17	2494.50
41	10	300N-175W	12-16		0.21	.	543.49	740.188	-1011.58	2098.56
42	10	175N-175W	0-1.5		0.37	.	1270.97	702.795	-205.54	2747.48
43	10	420N-75E	0-1.5		0.78	.	3135.13	789.761	1475.92	4794.34
44	10	420N-180E	0-1.5		0.55	.	2089.38	709.520	598.74	3580.02
45	10	420N-300E	0-1.5		0.63	.	2453.12	729.040	921.47	3984.77
46	10	175S-175E	0-2	8-40051	0.45	2670.0	1634.71	699.261	165.62	3103.79
47	10	175S-120E	.5-1.5	8-40053	0.39	1810.0	1361.90	700.932	-110.69	2834.50
48	10	175S-175E	2-4	8-40054	0.42	2640.0	1498.31	699.360	29.02	2967.60
49	10	175S-60E	1-4	8-40055	0.37	2360.0	1270.97	702.795	-205.54	2747.48
50	10	0N-60E	0-1.5	8-40056	0.30	541.0	952.70	714.354	-548.09	2453.49
51	10	60S-60W	0-1.5	8-40057	0.33	813.0	1089.10	708.452	-399.29	2577.49
52	10	60S-60E	0-1.5	8-40059	0.48	1360.0	1771.11	700.638	299.13	3243.09
53	10	60S-175E	0-1.5	8-40060	0.59	3160.0	2271.25	718.069	762.65	3779.85
54	10	175N-60E	0-1.5	8-40061	0.33	695.0	1089.10	708.452	-399.29	2577.49
55	10	175N-60W	0-1.5	8-40062	0.26	506.0	770.83	724.368	-751.00	2292.66
56	10	420N-75E	0-1.5	8-40063	0.82	2330.0	3317.00	810.575	1614.06	5019.94
57	10	300N-175W	12-16	8-40064	0.29	886.0	907.23	716.630	-598.34	2412.80
58	10	175N-175W	0-1.5	8-40065	0.38	433.0	1316.44	701.783	-157.95	2790.82
59	10	60N-420E	0-1.5	8-40066	0.54	2070.0	2043.91	707.772	556.95	3530.88
60	10	120S-175E	0-1.5	8-40067	0.49	2436.0	1816.58	701.423	342.95	3290.20
61	10	120S-0E	9-11	8-40068	0.44	1740.0	1589.24	699.130	120.43	3058.05
62	10	120S-60W	0-1.5	8-40069	0.32	400.0	1043.63	710.264	-448.57	2535.83
63	10	0N-175W	0-1.5	8-40070	0.46	1030.0	1680.17	699.556	210.47	3149.88
64	10	60N-175W	0-1.5	8-40071	0.34	702.0	1134.57	706.799	-350.35	2619.49
65	10	120N-175W	0-1.5	8-40072	0.74	2930.0	2953.26	770.767	1333.95	4572.57

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

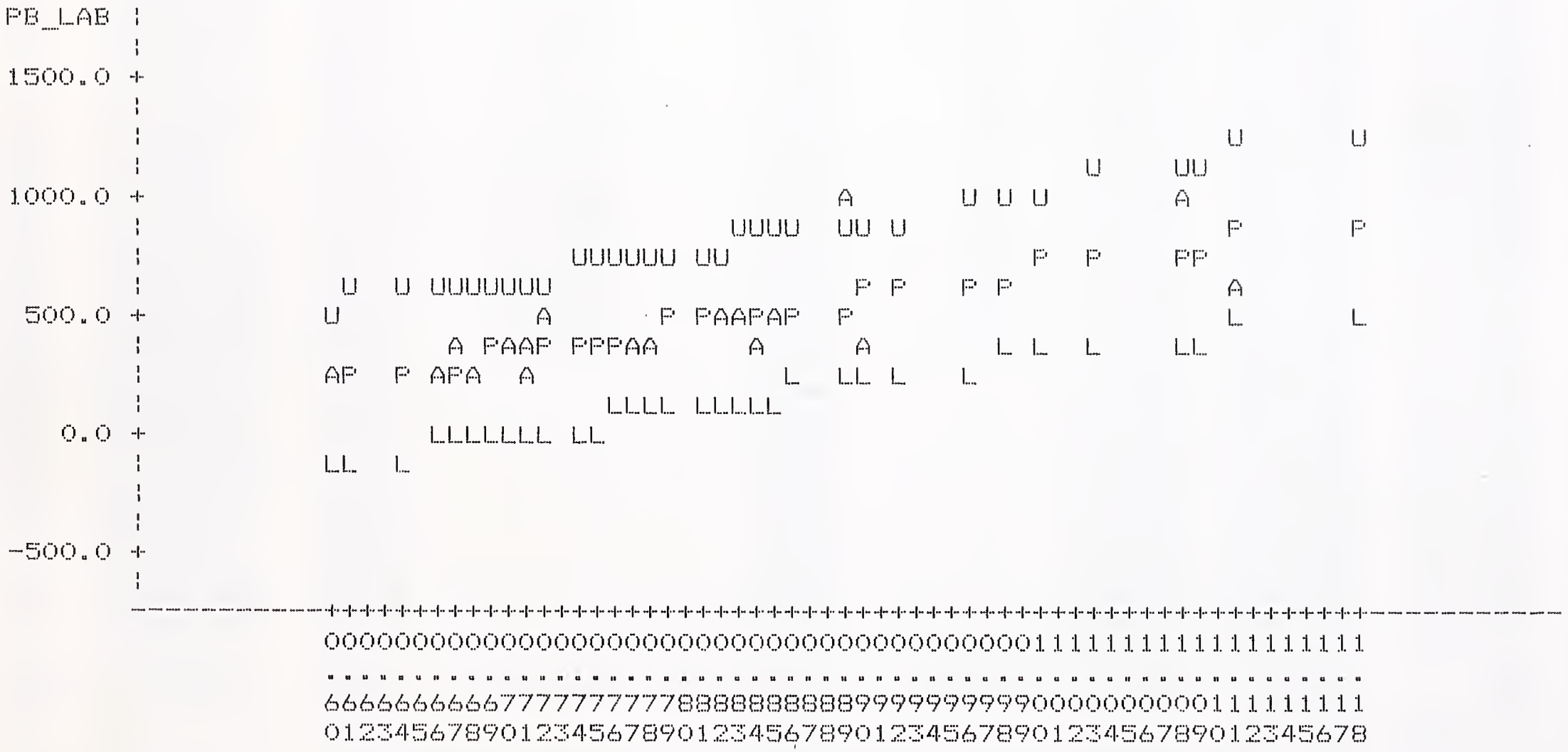


NOTE: 45 obs had missing values 90 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	10	175S-175E	0-2		0.77	.	413.369	156.382	84.825	741.91
2	10	175S-175E	2-4		0.76	.	401.272	156.515	72.448	730.10
3	10	175S-120E	.5-1.5		0.76	.	401.272	156.515	72.448	730.10
4	10	175S-120E	6-7.5		0.69	.	316.598	158.722	-16.863	650.06
5	10	175S-60E	1-4		0.79	.	437.561	156.253	109.288	765.83
6	10	175S-0E	0-2		0.70	.	328.694	158.272	-3.822	661.21
7	10	120S-60W	0-1.5		0.92	.	594.814	159.866	258.951	930.68
8	10	120S-60W	4-6		0.74	.	377.080	156.920	47.405	706.75
9	10	120S-0E	0-1.5		0.82	.	473.851	156.405	145.258	802.44
10	10	120S-0E	9-11		1.00	.	691.585	165.740	343.381	1039.79
11	10	120S-60E	0-1.5		0.82	.	473.851	156.405	145.258	802.44
12	10	120S-120E	0-1.5		1.09	.	800.453	175.280	432.205	1168.70
13	10	120S-175E	0-1.5		0.82	.	473.851	156.405	145.258	802.44
14	10	60S-120E	0-1.5		0.75	.	389.176	156.695	59.975	718.38
15	10	60S-175E	0-1.5		0.81	.	461.754	156.308	133.365	790.14
16	10	60S-60E	0-1.5		0.69	.	316.598	158.722	-16.863	650.06
17	10	60S-0E	0-1.5		0.68	.	304.501	159.216	-29.997	639.00
18	10	60S-60W	0-1.5		0.75	.	389.176	156.695	59.975	718.38
19	10	60S-120W	0-1.5		0.84	.	498.043	156.736	168.755	827.33
20	10	0N-175W	0-1.5		0.98	.	667.393	164.028	322.785	1012.00
21	10	0N-60W	0-1.5		0.79	.	437.561	156.253	109.288	765.83
22	10	0N-60E	0-1.5		0.76	.	401.272	156.515	72.448	730.10
23	10	0N-175E	0-1.5		0.75	.	389.176	156.695	59.975	718.38
24	10	60N-175E	0-1.5		0.75	.	389.176	156.695	59.975	718.38
25	10	175N-175E	0-1.5		1.03	.	727.875	168.596	373.670	1082.08
26	10	175N-60E	0-1.5		0.83	.	485.947	156.548	157.055	814.84
27	10	175N-60W	0-1.5		0.74	.	377.080	156.920	47.405	706.75
28	10	120N-175W	0-1.5		0.83	.	485.947	156.548	157.055	814.84
29	10	60N-175W	0-1.5		0.77	.	413.369	156.382	84.825	741.91
30	10	60N-60W	0-1.5		0.81	.	461.754	156.308	133.365	790.14
31	10	60N-60E	0-1.5		0.82	.	473.851	156.405	145.258	802.44
32	10	60N-420E	0-1.5		0.75	.	389.176	156.695	59.975	718.38
33	10	60N-420E	12-16		0.81	.	461.754	156.308	133.365	790.14
34	10	60N-300E	0-1.5		0.71	.	340.790	157.867	9.127	672.45
35	10	175N-300E	0-1.5		0.83	.	485.947	156.548	157.055	814.84

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	10	300N-300E	0-1.5		0.64	.	256.116	161.622	-83.437	595.67
37	10	300N-180E	0-1.5		0.66	.	280.308	160.334	-56.538	617.15
38	10	300N-75E	0-1.5		0.86	.	522.236	157.250	191.869	852.60
39	10	300N-65W	0-1.5		0.89	.	558.525	158.359	225.828	891.22
40	10	300-175W	0-1.5		0.64	.	256.116	161.622	-83.437	595.67
41	10	300N-175W	12-16		0.61	.	219.827	163.865	-124.440	564.09
42	10	175N-175W	0-1.5		0.81	.	461.754	156.308	133.365	790.14
43	10	420N-75E	0-1.5		1.18	.	909.320	187.466	515.472	1303.17
44	10	420N-180E	0-1.5		0.96	.	643.200	162.475	301.854	984.55
45	10	420N-300E	0-1.5		0.74	.	377.080	156.920	47.405	706.75
46	10	175S-175E	0-2	8-40051	0.71	354.0	340.790	157.867	9.127	672.45
47	10	175S-120E	.5-1.5	8-40053	0.78	338.0	425.465	156.294	97.105	753.83
48	10	175S-175E	2-4	8-40054	0.71	280.0	340.790	157.867	9.127	672.45
49	10	175S-60E	1-4	8-40055	0.72	443.0	352.887	157.506	21.981	683.79
50	10	0N-60E	0-1.5	8-40056	0.68	258.0	304.501	159.216	-29.997	639.00
51	10	60S-60W	0-1.5	8-40057	0.66	217.0	280.308	160.334	-56.538	617.15
52	10	60S-60E	0-1.5	8-40059	0.60	304.0	207.730	164.694	-138.277	553.74
53	10	60S-175E	0-1.5	8-40060	0.83	520.0	485.947	156.548	157.055	814.84
54	10	175N-60E	0-1.5	8-40061	0.84	377.0	498.043	156.736	168.755	827.33
55	10	175N-60W	0-1.5	8-40062	0.70	389.0	328.694	158.272	-3.822	661.21
56	10	420N-75E	0-1.5	8-40063	1.08	991.0	788.357	174.081	422.629	1154.08
57	10	300N-175W	12-16	8-40064	0.67	367.0	292.405	159.753	-43.222	628.03
58	10	175N-175W	0-1.5	8-40065	0.89	1030.0	558.525	158.359	225.828	891.22
59	10	60N-420E	0-1.5	8-40066	0.85	461.0	510.140	156.970	180.360	839.92
60	10	120S-175E	0-1.5	8-40067	0.82	485.0	473.851	156.405	145.258	802.44
61	10	120S-0E	9-11	8-40068	1.11	637.0	824.646	177.777	451.152	1198.14
62	10	120S-60W	0-1.5	8-40069	0.78	320.0	425.465	156.294	97.105	753.83
63	10	0N-175W	0-1.5	8-40070	0.90	381.0	570.622	158.817	236.961	904.28
64	10	60N-175W	0-1.5	8-40071	0.78	359.0	425.465	156.294	97.105	753.83
65	10	120N-175W	0-1.5	8-40072	0.77	337.0	413.369	156.382	84.825	741.91

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L

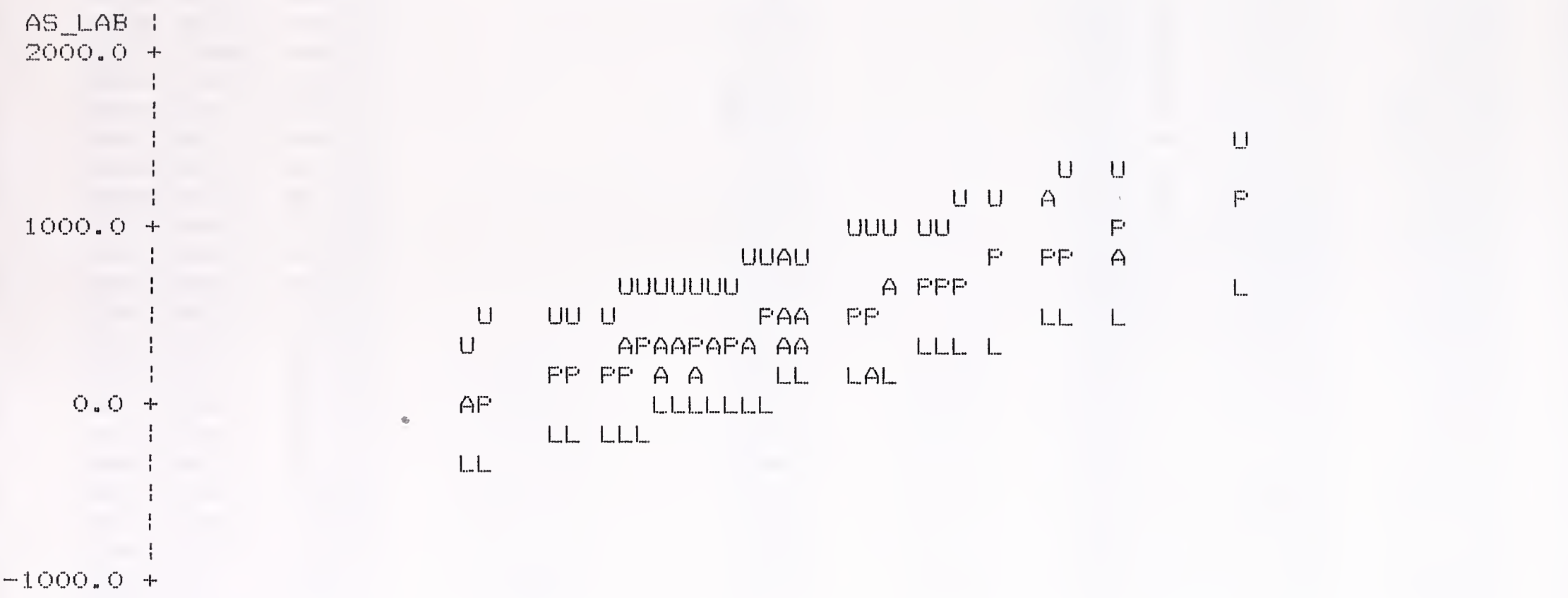


NOTE: 45 obs had missing values 108 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	12	800N-100W	0-1.5		0.49	.	358.97	172.930	-4.345	722.28
2	12	800N-100W	16-24		0.43	.	209.95	177.124	-162.167	582.07
3	12	800N-0E	0-1.5		0.50	.	383.80	172.639	21.103	746.50
4	12	800N-100E	0-1.5		0.44	.	234.79	176.140	-135.266	604.84
5	12	800N-100E	15-20		0.51	.	408.64	172.466	46.301	770.97
6	12	800N-100E	20-22		0.69	.	855.67	188.952	458.702	1252.64
7	12	700N-200E	0-1.5		0.48	.	334.13	173.340	-30.041	698.30
8	12	700N-300E	0-1.5		0.50	.	383.80	172.639	21.103	746.50
9	12	700N-100E	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
10	12	700N-0E	0-1.5		0.51	.	408.64	172.466	46.301	770.97
11	12	600N-200E	0-1.5		0.46	.	284.46	174.510	-82.170	651.09
12	12	500N-200E	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
13	12	400N-200E	0-1.5		0.63	.	706.66	179.545	329.453	1083.87
14	12	300N-200E	0-1.5		0.53	.	458.31	172.478	95.947	820.67
15	12	200N-200E	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
16	12	100N-200E	0-1.5		0.50	.	383.80	172.639	21.103	746.50
17	12	0N-200E	0-1.5		0.44	.	234.79	176.140	-135.266	604.84
18	12	0N-100E	0-1.5		0.48	.	334.13	173.340	-30.041	698.30
19	12	0N-100E	2-3		0.59	.	607.32	175.351	238.924	975.71
20	12	100N-100E	0-1.5		0.54	.	483.14	172.662	120.394	845.89
21	12	200N-100E	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
22	12	300N-100E	0-1.5		0.41	.	160.28	179.419	-216.660	537.23
23	12	300N-100E	SURFACE		0.62	.	681.83	178.333	307.165	1056.49
24	12	400N-100E	0-1.5		0.52	.	433.47	172.412	71.249	795.69
25	12	500N-100E	0-1.5		0.46	.	284.46	174.510	-82.170	651.09
26	12	600N-0E	0-1.5		0.68	.	830.84	187.142	437.668	1224.01
27	12	500N-0E	0-1.5		0.44	.	234.79	176.140	-135.266	604.84
28	12	400N-0E	0-1.5		0.50	.	383.80	172.639	21.103	746.50
29	12	400N-0E	5-8		0.36	.	36.11	186.967	-356.693	428.91
30	12	400N-0E	5-8		0.41	.	160.28	179.419	-216.660	537.23
31	12	300N-0E	0-1.5		0.79	.	1104.03	211.589	659.497	1548.56
32	12	200N-0E	0-1.5		0.45	.	259.62	175.268	-108.599	627.85
33	12	100N-0E	0-1.5		0.44	.	234.79	176.140	-135.266	604.84
34	12	0N-0E	0-1.5		0.57	.	557.65	173.926	192.246	923.05
35	12	0N-100W	0-1.5		0.63	.	706.66	179.545	329.453	1083.87

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	12	0N-150W	0-1.5		0.53	.	458.31	172.478	95.947	820.67
37	12	100N-190W	0-1.5		0.52	.	433.47	172.412	71.249	795.69
38	12	100N-100W	0-1.5		0.53	.	458.31	172.478	95.947	820.67
39	12	200N-100W	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
40	12	200N-170W	0-1.5		0.50	.	383.80	172.639	21.103	746.50
41	12	300N-185W	0-1.5		0.53	.	458.31	172.478	95.947	820.67
42	12	300N-100W	0-1.5		0.51	.	408.64	172.466	46.301	770.97
43	12	400N-100W	0-1.5		0.51	.	408.64	172.466	46.301	770.97
44	12	400N-200W	0-1.5		0.65	.	756.33	182.284	373.370	1139.29
45	12	500N-100W	0-1.5		0.45	.	259.62	175.268	-108.599	627.85
46	12	600N-100W	0-1.5		0.61	.	656.99	177.228	284.650	1029.33
47	12	700N-200W	0-1.5		0.40	.	135.45	180.726	-244.242	515.14
48	12	600N-200W	0-1.5		0.49	.	358.97	172.930	-4.345	722.28
49	12	500N-200W	0-1.5		0.47	.	309.30	173.867	-55.983	674.57
50	12	800N-100W	16-20	8-40075	0.35	23.6	11.27	188.767	-385.311	407.85
51	12	800N-100E	0-1.5	8-40076	0.53	780.0	458.31	172.478	95.947	820.67
52	12	700N-100E	0-1.5	8-40077	0.44	370.0	234.79	176.140	-135.266	604.84
53	12	700N-200E	0-1.5	8-40078	0.44	280.0	234.79	176.140	-135.266	604.84
54	12	700N-300E	0-1.5	8-40079	0.46	370.0	284.46	174.510	-82.170	651.09
55	12	600N-0E	0-1.5	8-40081	0.59	740.0	607.32	175.351	238.924	975.71
56	12	600N-100W	0-1.5	8-40083	0.53	480.0	458.31	172.478	95.947	820.67
57	12	400N-200W	0-1.5	8-40084	0.59	610.0	607.32	175.351	238.924	975.71
58	12	400N-0E	5-8	8-40085	0.46	180.0	284.46	174.510	-82.170	651.09
59	12	400N-100E	0-1.5	8-40086	0.49	370.0	358.97	172.930	-4.345	722.28
60	12	500N-200E	0-1.5	8-40087	0.47	330.0	309.30	173.867	-55.983	674.57
61	12	300N-200E	0-1.5	8-40088	0.54	500.0	483.14	172.662	120.394	845.89
62	12	400N-200E	0-1.5	8-40089	0.68	1100.0	830.84	187.142	437.668	1224.01
63	12	300N-100E	0-1.5	8-40090	0.46	290.0	284.46	174.510	-82.170	651.09
64	12	300N-0E	0-1.5	8-40091	0.72	870.0	930.18	194.913	520.684	1339.67
65	12	200N-170W	0-1.5	8-40092	0.53	366.0	458.31	172.478	95.947	820.67
66	12	200N-200E	0-1.5	8-40093	0.54	320.0	483.14	172.662	120.394	845.89
67	12	100N-0E	0-1.5	8-40094	0.51	320.0	408.64	172.466	46.301	770.97
68	12	0N-100E	2-3	8-40095	0.58	115.0	582.48	174.581	215.705	949.26
69	12	100N-190W	0-1.5	8-40096	0.48	230.0	334.13	173.340	-30.041	698.30

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

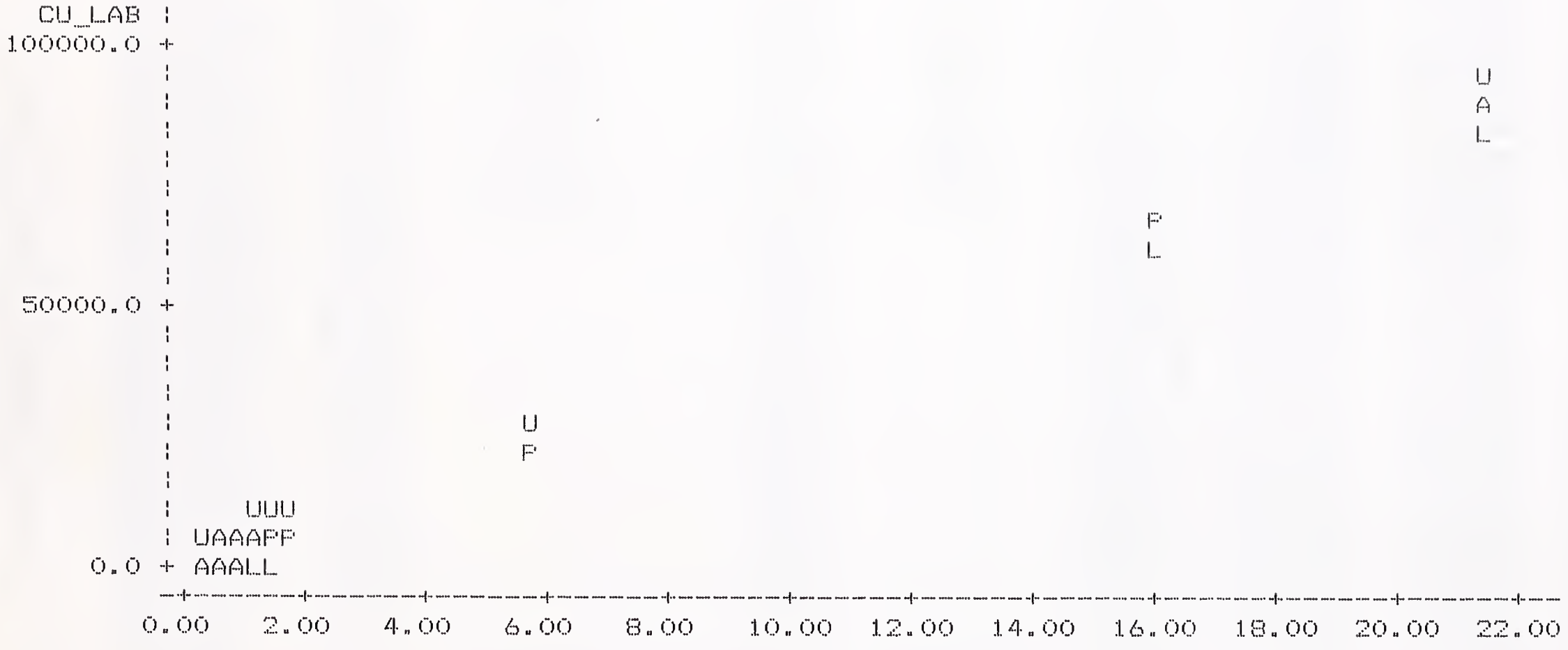


NOTE: 49 obs had missing values 140 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	12	800N-100W	0-1.5		0.51	.	2410.19	1732.10	-1228.79	6049.18
2	12	800N-100W	16-24		0.36	.	1799.38	1732.88	-1841.24	5439.99
3	12	800N-0E	0-1.5		1.08	.	4731.30	1729.98	1096.77	8365.84
4	12	800N-100E	0-1.5		1.48	.	6360.15	1729.28	2727.09	9993.21
5	12	800N-100E	15-20		0.88	.	3916.88	1730.58	281.09	7552.66
6	12	800N-100E	20-22		1.10	.	4812.75	1729.93	1178.31	8447.18
7	12	700N-200E	0-1.5		1.05	.	4609.14	1730.06	974.44	8243.84
8	12	700N-300E	0-1.5		0.61	.	2817.41	1731.63	-820.60	6455.41
9	12	700N-100E	0-1.5		0.83	.	3713.27	1730.75	77.12	7349.42
10	12	700N-0E	0-1.5		0.61	.	2817.41	1731.63	-820.60	6455.41
11	12	600N-200E	0-1.5		0.46	.	2206.59	1732.35	-1432.92	5846.09
12	12	500N-200E	0-1.5		0.41	.	2002.98	1732.61	-1637.07	5643.03
13	12	400N-200E	0-1.5		0.73	.	3306.06	1731.13	-330.88	6943.00
14	12	300N-200E	0-1.5		1.09	.	4772.02	1729.96	1137.54	8406.51
15	12	200N-200E	0-1.5		0.63	.	2898.85	1731.55	-738.97	6536.67
16	12	100N-200E	0-1.5		0.58	.	2695.24	1731.77	-943.05	6333.53
17	12	0N-200E	0-1.5		1.16	.	5057.07	1729.79	1422.94	8691.21
18	12	0N-100E	0-1.5		1.45	.	6237.99	1729.31	2604.86	9871.11
19	12	0N-100E	2-3		15.86	.	64917.25	2094.82	60516.23	69318.27
20	12	100N-100E	0-1.5		0.63	.	2898.85	1731.55	-738.97	6536.67
21	12	200N-100E	0-1.5		0.59	.	2735.96	1731.72	-902.23	6374.16
22	12	300N-100E	0-1.5		0.46	.	2206.59	1732.35	-1432.92	5846.09
23	12	300N-100E	SURFACE		5.63	.	23259.45	1759.87	19562.13	26956.78
24	12	400N-100E	0-1.5		0.90	.	3998.32	1730.51	362.68	7633.97
25	12	500N-100E	0-1.5		0.52	.	2450.92	1732.05	-1187.97	6089.80
26	12	600N-0E	0-1.5		0.75	.	3387.50	1731.05	-249.27	7024.28
27	12	500N-0E	0-1.5		0.59	.	2735.96	1731.72	-902.23	6374.16
28	12	400N-0E	0-1.5		0.60	.	2776.69	1731.68	-861.41	6414.79
29	12	400N-0E	5-8		0.28	.	1473.61	1733.33	-2167.95	5115.16
30	12	400N-0E	5-8		0.31	.	1595.77	1733.15	-2045.43	5236.97
31	12	300N-0E	0-1.5		1.66	.	7093.13	1729.18	3460.29	10725.97
32	12	200N-0E	0-1.5		0.59	.	2735.96	1731.72	-902.23	6374.16
33	12	100N-0E	0-1.5		0.50	.	2369.47	1732.15	-1269.61	6008.56
34	12	0N-0E	0-1.5		0.86	.	3835.44	1730.65	199.51	7471.36
35	12	0N-100W	0-1.5		0.43	.	2084.42	1732.50	-1555.40	5724.25

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	12	0N-150W	0-1.5		0.47	.	2247.31	1732.30	-1392.09	5886.71
37	12	100N-190W	0-1.5		0.77	.	3468.95	1730.97	-167.67	7105.56
38	12	100N-100W	0-1.5		0.85	.	3794.72	1730.68	158.71	7430.72
39	12	200N-100W	0-1.5		1.00	.	4405.53	1730.20	770.54	8040.53
40	12	200N-170W	0-1.5		0.39	.	1921.54	1732.71	-1718.73	5561.81
41	12	300N-185W	0-1.5		0.59	.	2735.96	1731.72	-902.23	6374.16
42	12	300N-100W	0-1.5		0.47	.	2247.31	1732.30	-1392.09	5886.71
43	12	400N-100W	0-1.5		0.49	.	2328.75	1732.20	-1310.44	5967.94
44	12	400N-200W	0-1.5		1.73	.	7378.18	1729.17	3745.36	11011.01
45	12	500N-100W	0-1.5		0.90	.	3998.32	1730.51	362.68	7633.97
46	12	600N-100W	0-1.5		0.71	.	3224.62	1731.21	-412.49	6861.73
47	12	700N-200W	0-1.5		0.66	.	3021.01	1731.42	-616.54	6658.56
48	12	600N-200W	0-1.5		0.78	.	3509.67	1730.93	-126.87	7146.20
49	12	500N-200W	0-1.5		0.61	.	2817.41	1731.63	-820.60	6455.41
50	12	800N-100W	16-20	8-40075	0.24	96.0	1310.72	1733.56	-2331.33	4952.77
51	12	800N-100E	0-1.5	8-40076	0.93	7940.0	4120.49	1730.41	485.04	7755.93
52	12	700N-100E	0-1.5	8-40077	0.52	3050.0	2450.92	1732.05	-1187.97	6089.80
53	12	700N-200E	0-1.5	8-40078	0.81	4550.0	3631.83	1730.82	-4.47	7268.13
54	12	700N-300E	0-1.5	8-40079	0.44	1330.0	2125.15	1732.45	-1514.57	5764.87
55	12	600N-0E	0-1.5	8-40081	0.53	2250.0	2491.64	1732.00	-1147.15	6130.42
56	12	600N-100W	0-1.5	8-40083	0.62	2670.0	2858.13	1731.59	-779.78	6496.04
57	12	400N-200W	0-1.5	8-40084	1.18	8160.0	5138.52	1729.75	1504.47	8772.56
58	12	400N-0E	5-8	8-40085	0.33	183.0	1677.21	1733.04	-1963.75	5318.17
59	12	400N-100E	0-1.5	8-40086	0.74	4090.0	3346.78	1731.09	-290.08	6983.64
60	12	500N-200E	0-1.5	8-40087	0.51	1490.0	2410.19	1732.10	-1228.79	6049.18
61	12	300N-200E	0-1.5	8-40088	0.86	5600.0	3835.44	1730.65	199.51	7471.36
62	12	400N-200E	0-1.5	8-40089	0.72	2530.0	3265.34	1731.17	-371.69	6902.37
63	12	300N-100E	0-1.5	8-40090	0.58	1970.0	2695.24	1731.77	-943.05	6333.53
64	12	300N-0E	0-1.5	8-40091	1.26	6730.0	5464.28	1729.59	1830.58	9097.99
65	12	200N-170W	0-1.5	8-40092	0.55	1820.0	2573.08	1731.91	-1065.50	6211.66
66	12	200N-200E	0-1.5	8-40093	0.62	2140.0	2858.13	1731.59	-779.78	6496.04
67	12	100N-0E	0-1.5	8-40094	0.59	2260.0	2735.96	1731.72	-902.23	6374.16
68	12	0N-100E	2-3	8-40095	21.36	87100.0	87313.91	2384.74	82303.79	92324.04
69	12	100N-190W	0-1.5	8-40096	0.91	383.0	4039.04	1730.48	403.47	7674.62

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

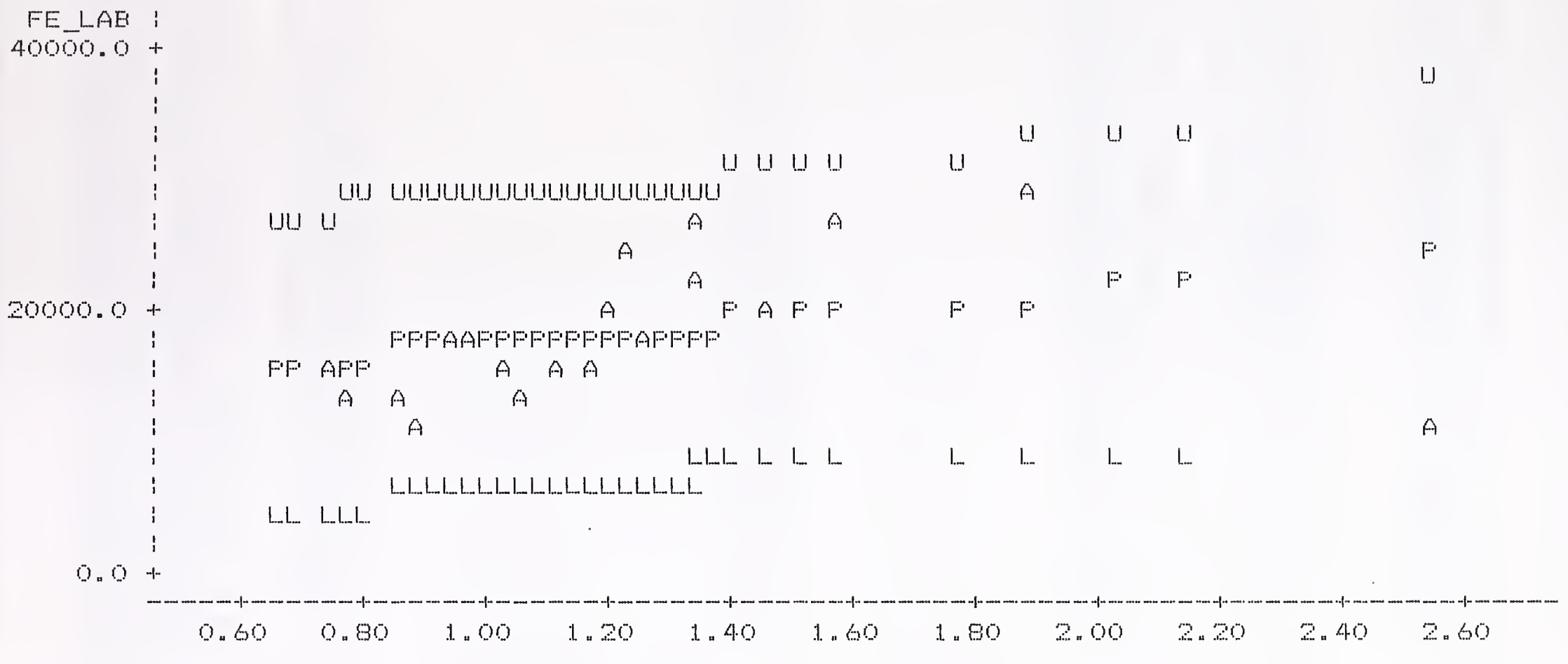


NOTE: 49 obs had missing values 206 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	12	800N-100W	0-1.5		1.14	.	17979.30	5243.72	6962.73	28995.88
2	12	800N-100W	16-24		1.08	.	17737.64	5255.11	6697.13	28778.14
3	12	800N-0E	0-1.5		1.14	.	17979.30	5243.72	6962.73	28995.88
4	12	800N-100E	0-1.5		0.96	.	17254.30	5293.85	6132.41	28376.19
5	12	800N-100E	15-20		1.33	.	18744.59	5243.15	7729.21	29759.96
6	12	800N-100E	20-22		1.28	.	18543.20	5238.06	7538.51	29547.88
7	12	700N-200E	0-1.5		1.52	.	19509.87	5296.34	8382.75	30636.99
8	12	700N-300E	0-1.5		1.12	.	17898.75	5246.92	6875.45	28922.05
9	12	700N-100E	0-1.5		0.86	.	16851.52	5342.10	5628.27	28074.78
10	12	700N-0E	0-1.5		1.07	.	17697.36	5257.53	6651.77	28742.94
11	12	600N-200E	0-1.5		0.97	.	17294.58	5289.82	6181.16	28407.99
12	12	500N-200E	0-1.5		1.14	.	17979.30	5243.72	6962.73	28995.88
13	12	400N-200E	0-1.5		1.47	.	19308.48	5277.19	8221.58	30395.37
14	12	300N-200E	0-1.5		1.21	.	18261.25	5237.22	7258.33	29264.17
15	12	200N-200E	0-1.5		1.09	.	17777.91	5252.84	6742.18	28813.65
16	12	100N-200E	0-1.5		1.13	.	17939.03	5245.25	6919.25	28958.81
17	12	0N-200E	0-1.5		1.14	.	17979.30	5243.72	6962.73	28995.88
18	12	0N-100E	0-1.5		1.12	.	17898.75	5246.92	6875.45	28922.05
19	12	0N-100E	2-3		2.04	.	21604.32	5699.33	9630.55	33578.09
20	12	100N-100E	0-1.5		1.30	.	18623.75	5239.65	7615.73	29631.77
21	12	200N-100E	0-1.5		0.88	.	16932.08	5331.30	5731.49	28132.66
22	12	300N-100E	0-1.5		0.68	.	16126.52	5464.17	4646.79	27606.24
23	12	300N-100E	SURFACE		0.89	.	16972.35	5326.12	5782.66	28162.05
24	12	400N-100E	0-1.5		1.06	.	17657.08	5260.09	6606.10	28708.06
25	12	500N-100E	0-1.5		0.96	.	17254.30	5293.85	6132.41	28376.19
26	12	600N-0E	0-1.5		1.78	.	20557.09	5453.10	9100.62	32013.56
27	12	500N-0E	0-1.5		0.81	.	16650.13	5371.54	5365.02	27935.24
28	12	400N-0E	0-1.5		1.25	.	18422.36	5236.80	7420.32	29424.40
29	12	400N-0E	5-8		0.67	.	16086.24	5472.24	4589.57	27582.91
30	12	400N-0E	5-8		0.78	.	16529.30	5390.87	5203.56	27855.03
31	12	300N-0E	0-1.5		2.14	.	22007.10	5815.58	9789.10	34225.10
32	12	200N-0E	0-1.5		0.97	.	17294.58	5289.82	6181.16	28407.99
33	12	100N-0E	0-1.5		0.94	.	17173.74	5302.35	6034.00	28313.49
34	12	0N-0E	0-1.5		1.39	.	18986.25	5254.18	7947.70	30024.81
35	12	0N-100W	0-1.5		1.36	.	18865.42	5248.00	7839.86	29890.98

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	12	0N-150W	0-1.5		1.12	.	17898.75	5246.92	6875.45	28922.05
37	12	100N-190W	0-1.5		1.24	.	18382.08	5236.68	7380.30	29383.87
38	12	100N-100W	0-1.5		1.23	.	18341.81	5236.71	7339.96	29343.66
39	12	200N-100W	0-1.5		1.18	.	18140.42	5239.11	7133.53	29147.30
40	12	200N-170W	0-1.5		1.01	.	17455.69	5275.14	6373.11	28538.27
41	12	300N-185W	0-1.5		1.46	.	19268.20	5273.80	8188.43	30347.97
42	12	300N-100W	0-1.5		1.07	.	17697.36	5257.53	6651.77	28742.94
43	12	400N-100W	0-1.5		0.96	.	17254.30	5293.85	6132.41	28376.19
44	12	400N-200W	0-1.5		1.46	.	19268.20	5273.80	8188.43	30347.97
45	12	500N-100W	0-1.5		0.92	.	17093.19	5311.43	5934.37	28252.01
46	12	600N-100W	0-1.5		1.45	.	19227.92	5270.56	8154.97	30300.87
47	12	700N-200W	0-1.5		0.87	.	16891.80	5336.63	5680.03	28103.57
48	12	600N-200W	0-1.5		1.32	.	18704.31	5241.83	7691.70	29716.92
49	12	500N-200W	0-1.5		1.34	.	18784.86	5244.62	7766.40	29803.32
50	12	800N-100W	16-20	8-40075	0.74	15400.0	16368.18	5418.58	4984.26	27752.11
51	12	800N-100E	0-1.5	8-40076	1.24	23600.0	18382.08	5236.68	7380.30	29383.87
52	12	700N-100E	0-1.5	8-40077	0.78	13000.0	16529.30	5390.87	5203.56	27855.03
53	12	700N-200E	0-1.5	8-40078	1.34	22600.0	18784.86	5244.62	7766.40	29803.32
54	12	700N-300E	0-1.5	8-40079	0.98	18000.0	17334.86	5285.93	6229.61	28440.10
55	12	600N-0E	0-1.5	8-40081	1.35	27000.0	18825.14	5246.23	7803.29	29846.99
56	12	600N-100W	0-1.5	8-40083	1.21	19200.0	18261.25	5237.22	7258.33	29264.17
57	12	400N-200W	0-1.5	8-40084	1.33	21400.0	18744.59	5243.15	7729.21	29759.96
58	12	400N-0E	5-8	8-40085	0.88	11600.0	16932.08	5331.30	5731.49	28132.66
59	12	400N-100E	0-1.5	8-40086	1.02	16200.0	17495.97	5271.84	6420.32	28571.61
60	12	500N-200E	0-1.5	8-40087	1.25	17000.0	18422.36	5236.80	7420.32	29424.40
61	12	300N-200E	0-1.5	8-40088	0.94	17200.0	17173.74	5302.35	6034.00	28313.49
62	12	400N-200E	0-1.5	8-40089	1.57	26600.0	19711.26	5319.10	8536.31	30886.21
63	12	300N-100E	0-1.5	8-40090	0.86	13800.0	16851.52	5342.10	5628.27	28074.78
64	12	300N-0E	0-1.5	8-40091	1.89	29600.0	21000.15	5546.95	9346.52	32653.78
65	12	200N-170W	0-1.5	8-40092	1.12	16400.0	17898.75	5246.92	6875.45	28922.05
66	12	200N-200E	0-1.5	8-40093	1.17	15000.0	18100.14	5240.04	7091.30	29108.97
67	12	100N-0E	0-1.5	8-40094	1.05	13200.0	17616.80	5262.81	6560.12	28673.48
68	12	0N-100E	2-3	8-40095	2.55	11600.0	23658.50	6399.23	10214.30	37102.69
69	12	100N-190W	0-1.5	8-40096	1.47	19000.0	19308.48	5277.19	8221.58	30395.37

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

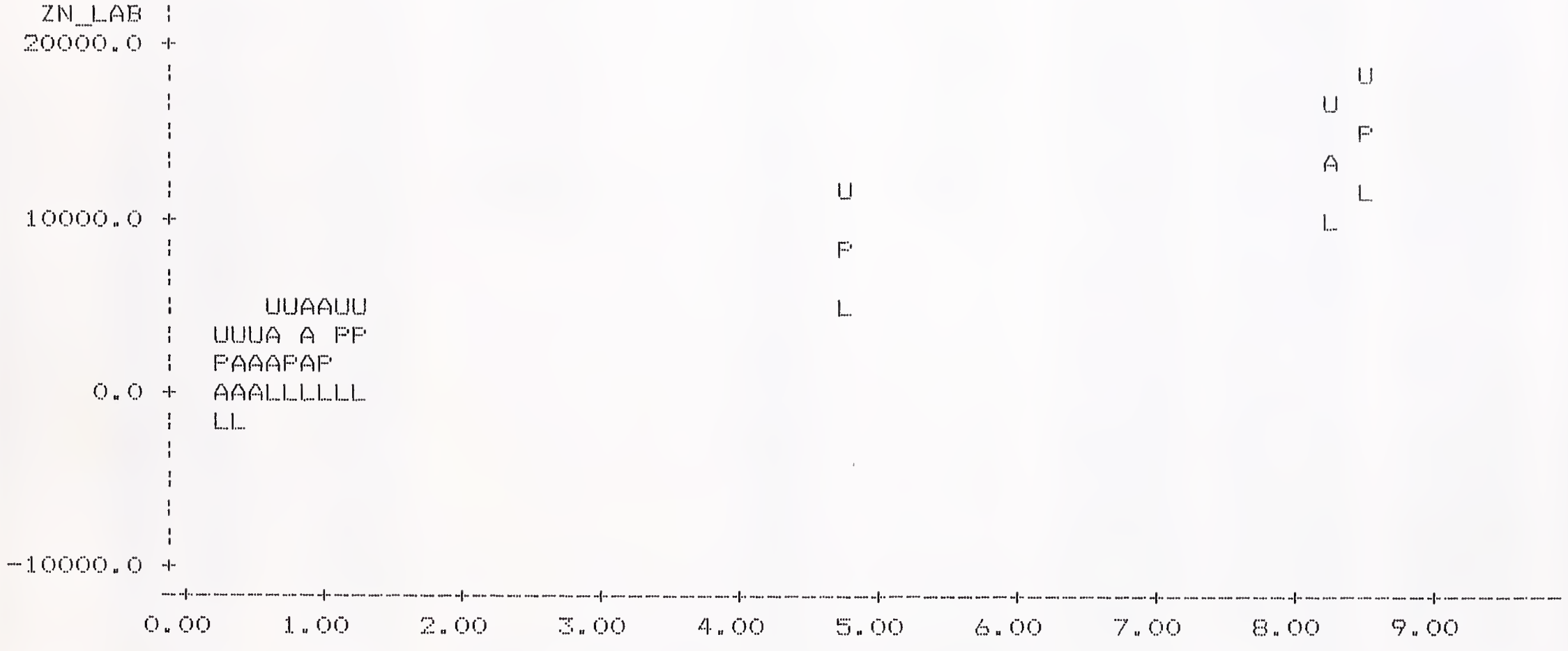


NOTE: 49 obs had missing values 114 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	12	800N-100W	0-1.5		0.45	.	1622.09	1117.29	-725.24	3969.42
2	12	800N-100W	16-24		0.30	.	1388.41	1118.93	-962.35	3739.17
3	12	800N-0E	0-1.5		0.82	.	2198.50	1115.07	-144.16	4541.17
4	12	800N-100E	0-1.5		1.17	.	2743.76	1115.35	400.51	5087.01
5	12	800N-100E	15-20		0.66	.	1949.24	1115.72	-394.77	4293.26
6	12	800N-100E	20-22		0.89	.	2307.55	1114.94	-34.84	4649.95
7	12	700N-200E	0-1.5		0.92	.	2354.29	1114.92	11.96	4696.62
8	12	700N-300E	0-1.5		0.56	.	1793.46	1116.36	-551.92	4138.83
9	12	700N-100E	0-1.5		0.63	.	1902.51	1115.89	-441.88	4246.89
10	12	700N-0E	0-1.5		0.48	.	1668.83	1117.02	-677.92	4015.58
11	12	600N-200E	0-1.5		0.41	.	1559.77	1117.69	-788.38	3907.93
12	12	500N-200E	0-1.5		0.32	.	1419.57	1118.68	-930.69	3769.82
13	12	400N-200E	0-1.5		0.63	.	1902.51	1115.89	-441.88	4246.89
14	12	300N-200E	0-1.5		0.90	.	2323.13	1114.93	-19.24	4665.50
15	12	200N-200E	0-1.5		0.48	.	1668.83	1117.02	-677.92	4015.58
16	12	100N-200E	0-1.5		0.47	.	1653.25	1117.11	-693.69	4000.19
17	12	0N-200E	0-1.5		0.82	.	2198.50	1115.07	-144.16	4541.17
18	12	0N-100E	0-1.5		0.98	.	2447.76	1114.91	105.44	4790.09
19	12	0N-100E	2-3		8.54	.	14225.29	1567.12	10932.92	17517.66
20	12	100N-100E	0-1.5		0.50	.	1699.98	1116.84	-646.40	4046.37
21	12	200N-100E	0-1.5		0.46	.	1637.67	1117.20	-709.46	3984.80
22	12	300N-100E	0-1.5		0.40	.	1544.20	1117.79	-804.18	3892.57
23	12	300N-100E	SURFACE		4.75	.	8320.95	1243.70	5708.05	10933.84
24	12	400N-100E	0-1.5		0.70	.	2011.56	1115.51	-332.03	4355.14
25	12	500N-100E	0-1.5		0.45	.	1622.09	1117.29	-725.24	3969.42
26	12	600N-0E	0-1.5		0.63	.	1902.51	1115.89	-441.88	4246.89
27	12	500N-0E	0-1.5		0.42	.	1575.35	1117.59	-772.59	3923.30
28	12	400N-0E	0-1.5		0.53	.	1746.72	1116.59	-599.14	4092.58
29	12	400N-0E	5-8		0.24	.	1294.94	1119.70	-1057.45	3647.32
30	12	400N-0E	5-8		0.31	.	1403.99	1118.80	-946.52	3754.49
31	12	300N-0E	0-1.5		1.10	.	2634.71	1115.11	291.97	4977.45
32	12	200N-0E	0-1.5		0.45	.	1622.09	1117.29	-725.24	3969.42
33	12	100N-0E	0-1.5		0.42	.	1575.35	1117.59	-772.59	3923.30
34	12	0N-0E	0-1.5		0.64	.	1918.09	1115.83	-426.17	4262.34
35	12	0N-100W	0-1.5		0.39	.	1528.62	1117.90	-819.98	3877.21

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	12	0N-150W	0-1.5		0.40	.	1544.20	1117.79	-804.18	3892.57
37	12	100N-190W	0-1.5		0.61	.	1871.35	1116.02	-473.30	4216.00
38	12	100N-100W	0-1.5		0.61	.	1871.35	1116.02	-473.30	4216.00
39	12	200N-100W	0-1.5		0.70	.	2011.56	1115.51	-332.03	4355.14
40	12	200N-170W	0-1.5		0.38	.	1513.04	1118.00	-835.78	3861.86
41	12	300N-185W	0-1.5		0.51	.	1715.56	1116.76	-630.64	4061.77
42	12	300N-100W	0-1.5		0.42	.	1575.35	1117.59	-772.59	3923.30
43	12	400N-100W	0-1.5		0.45	.	1622.09	1117.29	-725.24	3969.42
44	12	400N-200W	0-1.5		1.19	.	2774.92	1115.44	431.49	5118.34
45	12	500N-100W	0-1.5		0.59	.	1840.19	1116.15	-504.74	4185.12
46	12	600N-100W	0-1.5		0.57	.	1809.03	1116.29	-536.19	4154.26
47	12	700N-200W	0-1.5		0.46	.	1637.67	1117.20	-709.46	3984.80
48	12	600N-200W	0-1.5		0.61	.	1871.35	1116.02	-473.30	4216.00
49	12	500N-200W	0-1.5		0.52	.	1731.14	1116.68	-614.89	4077.17
50	12	800N-100W	16-20	8-40075	0.25	627.0	1310.51	1119.57	-1041.59	3662.62
51	12	800N-100E	0-1.5	8-40076	1.00	5540.0	2478.92	1114.93	136.56	4821.28
52	12	700N-100E	0-1.5	8-40077	0.48	1390.0	1668.83	1117.02	-677.92	4015.58
53	12	700N-200E	0-1.5	8-40078	0.82	4630.0	2198.50	1115.07	-144.16	4541.17
54	12	700N-300E	0-1.5	8-40079	0.41	1440.0	1559.77	1117.69	-788.38	3907.93
55	12	600N-0E	0-1.5	8-40081	0.43	975.0	1590.93	1117.49	-756.80	3938.67
56	12	600N-100W	0-1.5	8-40083	0.49	1040.0	1684.40	1116.93	-662.16	4030.97
57	12	400N-200W	0-1.5	8-40084	0.86	2490.0	2260.82	1114.99	-81.67	4603.30
58	12	400N-0E	5-8	8-40085	0.32	515.0	1419.57	1118.68	-930.69	3769.82
59	12	400N-100E	0-1.5	8-40086	0.59	1860.0	1840.19	1116.15	-504.74	4185.12
60	12	500N-200E	0-1.5	8-40087	0.41	802.0	1559.77	1117.69	-788.38	3907.93
61	12	300N-200E	0-1.5	8-40088	0.67	2720.0	1964.82	1115.66	-379.08	4308.72
62	12	400N-200E	0-1.5	8-40089	0.64	2350.0	1918.09	1115.83	-426.17	4262.34
63	12	300N-100E	0-1.5	8-40090	0.51	1790.0	1715.56	1116.76	-630.64	4061.77
64	12	300N-0E	0-1.5	8-40091	0.91	2670.0	2338.71	1114.92	-3.64	4681.06
65	12	200N-170W	0-1.5	8-40092	0.47	827.0	1653.25	1117.11	-693.69	4000.19
66	12	200N-200E	0-1.5	8-40093	0.48	815.0	1668.83	1117.02	-677.92	4015.58
67	12	100N-0E	0-1.5	8-40094	0.47	973.0	1653.25	1117.11	-693.69	4000.19
68	12	0N-100E	2-3	8-40095	8.21	13300.0	13711.19	1533.83	10488.75	16933.64
69	12	100N-190W	0-1.5	8-40096	0.64	1360.0	1918.09	1115.83	-426.17	4262.34

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

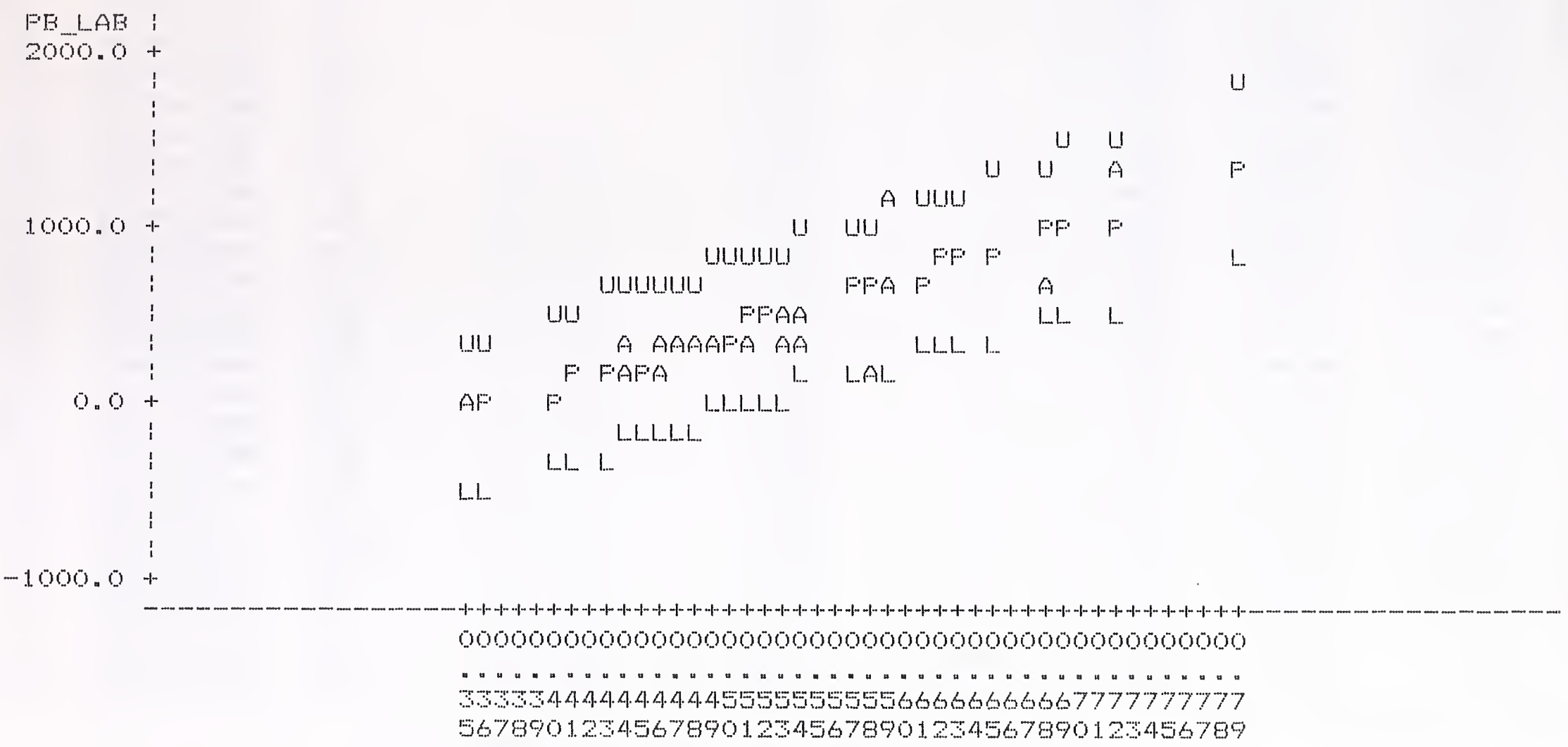


NOTE: 49 obs had missing values 187 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	12	800N-100W	0-1.5		0.87	0.49	.	356.55	199.668	-62.932	776.04
2	12	800N-100W	16-24		0.82	0.43	.	174.22	204.510	-255.439	603.87
3	12	800N-0E	0-1.5		0.88	0.50	.	386.94	199.331	-31.835	805.72
4	12	800N-100E	0-1.5		0.81	0.44	.	204.61	203.374	-222.664	631.88
5	12	800N-100E	15-20		0.89	0.51	.	417.33	199.132	-1.027	835.69
6	12	800N-100E	20-22		1.11	0.69	.	964.33	218.167	505.985	1422.68
7	12	700N-200E	0-1.5		0.83	0.48	.	326.16	200.141	-94.314	746.64
8	12	700N-300E	0-1.5		0.90	0.50	.	386.94	199.331	-31.835	805.72
9	12	700N-100E	0-1.5		0.81	0.47	.	295.77	200.749	-125.982	717.53
10	12	700N-0E	0-1.5		0.91	0.51	.	417.33	199.132	-1.027	835.69
11	12	600N-200E	0-1.5		0.81	0.46	.	265.39	201.492	-157.931	688.70
12	12	500N-200E	0-1.5		0.85	0.47	.	295.77	200.749	-125.982	717.53
13	12	400N-200E	0-1.5		1.09	0.63	.	782.00	207.305	346.469	1217.53
14	12	300N-200E	0-1.5		0.93	0.53	.	478.11	199.146	59.722	896.50
15	12	200N-200E	0-1.5		0.80	0.47	.	295.77	200.749	-125.982	717.53
16	12	100N-200E	0-1.5		0.91	0.50	.	386.94	199.331	-31.835	805.72
17	12	0N-200E	0-1.5		0.77	0.44	.	204.61	203.374	-222.664	631.88
18	12	0N-100E	0-1.5		0.86	0.48	.	326.16	200.141	-94.314	746.64
19	12	0N-100E	2-3		0.98	0.59	.	660.44	202.462	235.088	1085.80
20	12	100N-100E	0-1.5		0.92	0.54	.	508.50	199.359	89.663	927.33
21	12	200N-100E	0-1.5		0.82	0.47	.	295.77	200.749	-125.982	717.53
22	12	300N-100E	0-1.5		0.70	0.41	.	113.44	207.160	-321.784	548.66
23	12	300N-100E	SURFACE		1.05	0.62	.	751.61	205.906	319.021	1184.20
24	12	400N-100E	0-1.5		0.87	0.52	.	447.72	199.070	29.492	865.95
25	12	500N-100E	0-1.5		0.83	0.46	.	265.39	201.492	-157.931	688.70
26	12	600N-0E	0-1.5		1.16	0.68	.	933.94	216.078	479.985	1387.90
27	12	500N-0E	0-1.5		0.77	0.44	.	204.61	203.374	-222.664	631.88
28	12	400N-0E	0-1.5		0.86	0.50	.	386.94	199.331	-31.835	805.72
29	12	400N-0E	5-8		0.67	0.36	.	-38.51	215.875	-492.038	415.03
30	12	400N-0E	5-8		0.72	0.41	.	113.44	207.160	-321.784	548.66
31	12	300N-0E	0-1.5		1.32	0.79	.	1268.22	244.304	754.964	1781.48
32	12	200N-0E	0-1.5		0.81	0.45	.	235.00	202.368	-190.160	660.15
33	12	100N-0E	0-1.5		0.79	0.44	.	204.61	203.374	-222.664	631.88
34	12	0N-0E	0-1.5		0.98	0.57	.	599.66	200.818	177.765	1021.56
35	12	0N-100W	0-1.5		1.10	0.63	.	782.00	207.305	346.469	1217.53

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	12	0N-150W	0-1.5		0.91	0.53	.	478.11	199.146	59.722	896.50
37	12	100N-190W	0-1.5		0.93	0.52	.	447.72	199.070	29.492	865.95
38	12	100N-100W	0-1.5		0.90	0.53	.	478.11	199.146	59.722	896.50
39	12	200N-100W	0-1.5		0.79	0.47	.	295.77	200.749	-125.982	717.53
40	12	200N-170W	0-1.5		0.89	0.50	.	386.94	199.331	-31.835	805.72
41	12	300N-185W	0-1.5		0.92	0.53	.	478.11	199.146	59.722	896.50
42	12	300N-100W	0-1.5		0.91	0.51	.	417.33	199.132	-1.027	835.69
43	12	400N-100W	0-1.5		0.91	0.51	.	417.33	199.132	-1.027	835.69
44	12	400N-200W	0-1.5		1.13	0.65	.	842.78	210.468	400.604	1284.95
45	12	500N-100W	0-1.5		0.79	0.45	.	235.00	202.368	-190.160	660.15
46	12	600N-100W	0-1.5		1.03	0.61	.	721.22	204.631	291.311	1151.13
47	12	700N-200W	0-1.5		0.73	0.40	.	83.05	208.669	-355.344	521.45
48	12	600N-200W	0-1.5		0.84	0.49	.	356.55	199.668	-62.932	776.04
49	12	500N-200W	0-1.5		0.85	0.47	.	295.77	200.749	-125.982	717.53
50	12	800N-100W	16-20	8-40075	0.65	0.35	18.0	-68.89	217.953	-526.794	389.01
51	12	800N-100E	0-1.5	8-40076	0.91	0.53	473.0	478.11	199.146	59.722	896.50
52	12	700N-100E	0-1.5	8-40077	0.79	0.44	310.0	204.61	203.374	-222.664	631.88
53	12	700N-200E	0-1.5	8-40078	0.78	0.44	241.0	204.61	203.374	-222.664	631.88
54	12	700N-300E	0-1.5	8-40079	0.82	0.46	384.0	265.39	201.492	-157.931	688.70
55	12	600N-0E	0-1.5	8-40081	1.03	0.59	730.0	660.44	202.462	235.088	1085.80
56	12	600N-100W	0-1.5	8-40083	0.94	0.53	449.0	478.11	199.146	59.722	896.50
57	12	400N-200W	0-1.5	8-40084	0.99	0.59	1170.0	660.44	202.462	235.088	1085.80
58	12	400N-0E	5-8	8-40085	0.84	0.46	178.0	265.39	201.492	-157.931	688.70
59	12	400N-100E	0-1.5	8-40086	0.86	0.49	292.0	356.55	199.668	-62.932	776.04
60	12	500N-200E	0-1.5	8-40087	0.85	0.47	251.0	295.77	200.749	-125.982	717.53
61	12	300N-200E	0-1.5	8-40088	0.94	0.54	457.0	508.50	199.359	89.663	927.33
62	12	400N-200E	0-1.5	8-40089	1.14	0.68	684.0	933.94	216.078	479.985	1387.90
63	12	300N-100E	0-1.5	8-40090	0.84	0.46	245.0	265.39	201.492	-157.931	688.70
64	12	300N-0E	0-1.5	8-40091	1.21	0.72	1330.0	1055.50	225.050	582.691	1528.31
65	12	200N-170W	0-1.5	8-40092	0.97	0.53	390.0	478.11	199.146	59.722	896.50
66	12	200N-200E	0-1.5	8-40093	0.99	0.54	400.0	508.50	199.359	89.663	927.33
67	12	100N-0E	0-1.5	8-40094	0.93	0.51	341.0	417.33	199.132	-1.027	835.69
68	12	0N-100E	2-3	8-40095	1.00	0.58	188.0	630.05	201.574	206.566	1053.54
69	12	100N-190W	0-1.5	8-40096	0.90	0.48	393.0	326.16	200.141	-94.314	746.64

Plot of PB_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

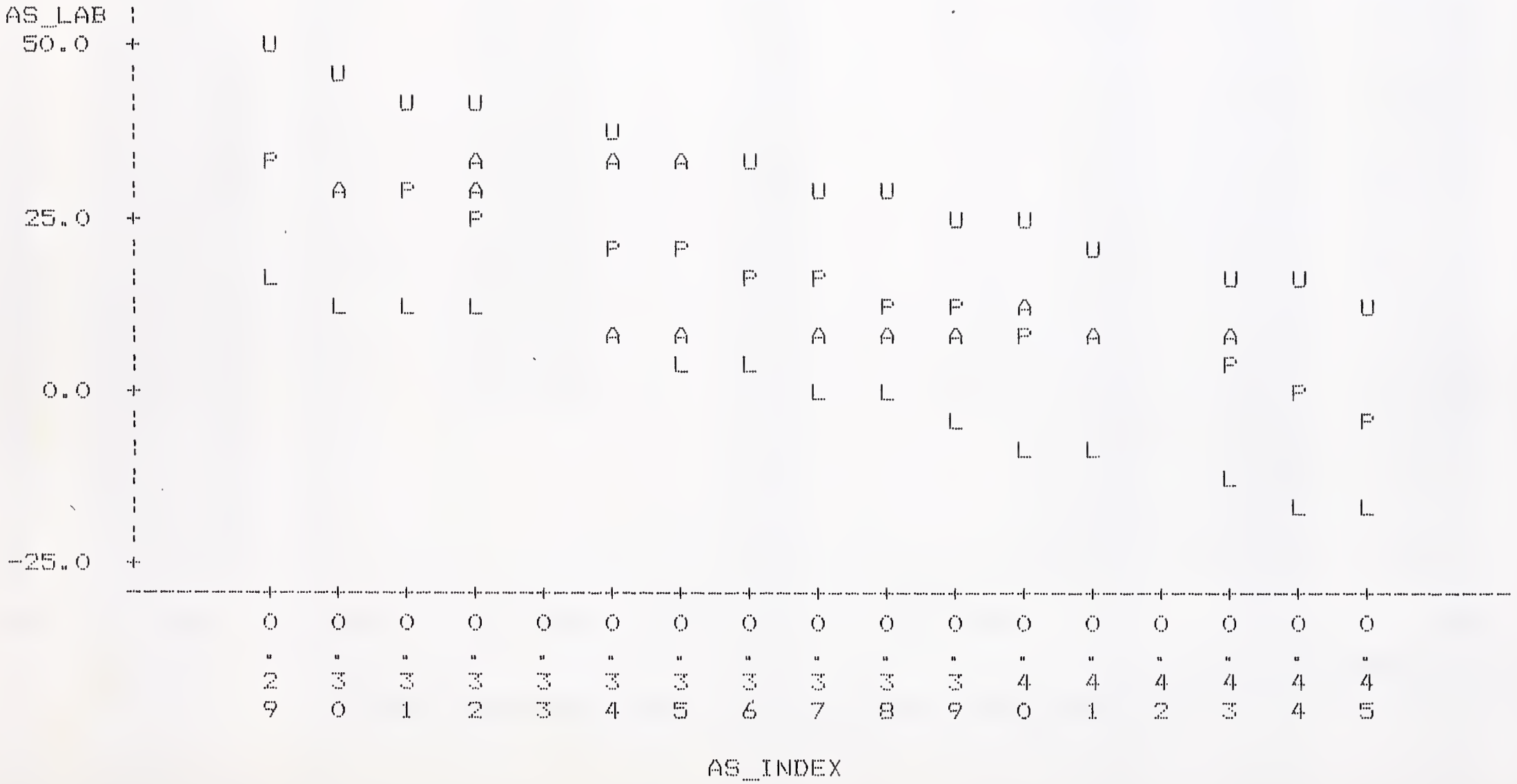


NOTE: 49 obs had missing values 139 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	14	200S-300E	0-2		0.31	.	27.8224	7.32766	12.4276	43.2171
2	14	400S-300W	0-2		0.39	.	10.7152	7.08121	-4.1618	25.5921
3	14	200S-100E	0-2		0.37	.	14.9920	7.00920	0.2663	29.7176
4	14	200S-0W	0-2		0.35	.	19.2688	7.02727	4.5051	34.0324
5	14	200S-100W	2-6		0.31	.	27.8224	7.32766	12.4276	43.2171
6	14	200S-200W	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
7	14	200S-200W	2-4		0.39	.	10.7152	7.08121	-4.1618	25.5921
8	14	200S-300W	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
9	14	100S-300W	0-2		0.37	.	14.9920	7.00920	0.2663	29.7176
10	14	100S-200W	0-2		0.38	.	12.8536	7.03403	-1.9243	27.6314
11	14	100S-200W	2-8		0.32	.	25.6840	7.22087	10.5136	40.8543
12	14	100S-200W	8-16		0.32	.	25.6840	7.22087	10.5136	40.8543
13	14	100S-200W	16-24		0.29	.	32.0992	7.59954	16.1332	48.0651
14	14	500S-300W	0-2		0.41	.	6.4384	7.24060	-8.7735	21.6502
15	14	400S-100E	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
16	14	500S-100E	0-2		0.36	.	17.1304	7.00694	2.4094	31.8513
17	14	600S-100E	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
18	14	300S-100E	0-2		0.36	.	17.1304	7.00694	2.4094	31.8513
19	14	200S-200E	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
20	14	300S-200E	0-2		0.37	.	14.9920	7.00920	0.2663	29.7176
21	14	400S-200E	0-2		0.38	.	12.8536	7.03403	-1.9243	27.6314
22	14	500S-200E	0-2		0.35	.	19.2688	7.02727	4.5051	34.0324
23	14	600S-200E	0-2		0.38	.	12.8536	7.03403	-1.9243	27.6314
24	14	600S-0W	0-2		0.36	.	17.1304	7.00694	2.4094	31.8513
25	14	500S-0W	0-2		0.40	.	8.5768	7.15027	-6.4453	23.5988
26	14	500S-0W	2-10		0.36	.	17.1304	7.00694	2.4094	31.8513
27	14	500S-0W	10-18		0.40	.	8.5768	7.15027	-6.4453	23.5988
28	14	500S-0W	18-25		0.35	.	19.2688	7.02727	4.5051	34.0324
29	14	500S-0W	25-32		0.38	.	12.8536	7.03403	-1.9243	27.6314
30	14	400S-0W	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
31	14	300S-0W	2-6		0.38	.	12.8536	7.03403	-1.9243	27.6314
32	14	300S-300W	0-2		0.39	.	10.7152	7.08121	-4.1618	25.5921
33	14	500S-400W	0-2		0.45	.	-2.1152	7.79723	-18.4965	14.2660
34	14	400S-400W	2-6		0.38	.	12.8536	7.03403	-1.9243	27.6314
35	14	500S-200W	0-2		0.36	.	17.1304	7.00694	2.4094	31.8513

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	14	400S-200W	0-2		0.35	.	19.2688	7.02727	4.5051	34.0324
37	14	300S-200W	2-4		0.37	.	14.9920	7.00920	0.2663	29.7176
38	14	300S-100W	0-2		0.39	.	10.7152	7.08121	-4.1618	25.5921
39	14	400S-100W	0-2		0.34	.	21.4072	7.07000	6.5537	36.2606
40	14	500S-100W	6-10		0.35	.	19.2688	7.02727	4.5051	34.0324
41	14	600S-100W	0-2		0.44	.	0.0232	7.63076	-16.0084	16.0547
42	14	200S-200E	0-2	8-40475	0.40	12.3	8.5768	7.15027	-6.4453	23.5988
43	14	200S-100E	0-2	8-40476	0.37	9.6	14.9920	7.00920	0.2663	29.7176
44	14	200S-100W	0-2	8-40477	0.38	7.4	12.8536	7.03403	-1.9243	27.6314
45	14	200S-300W	0-2	8-40479	0.43	8.2	2.1616	7.48181	-13.5570	17.8802
46	14	300S-200W	0-2	8-40481	0.38	9.8	12.8536	7.03403	-1.9243	27.6314
47	14	300S-0W	0-2	8-40482	0.41	8.9	6.4384	7.24060	-8.7735	21.6502
48	14	300S-200E	0-2	8-40483	0.39	8.6	10.7152	7.08121	-4.1618	25.5921
49	14	400S-200E	0-2	8-40484	0.41	9.6	6.4384	7.24060	-8.7735	21.6502
50	14	400S-100E	0-2	8-40485	0.41	6.7	6.4384	7.24060	-8.7735	21.6502
51	14	400S-100W	0-2	8-40486	0.39	7.6	10.7152	7.08121	-4.1618	25.5921
52	14	400S-300W	0-2	8-40487	0.35	9.3	19.2688	7.02727	4.5051	34.0324
53	14	500S-400W	0-2	8-40488	0.37	7.4	14.9920	7.00920	0.2663	29.7176
54	14	500S-0W	0-2	8-40491	0.30	30.6	29.9608	7.45421	14.3001	45.6214
55	14	500S-0W	2-12	8-40492	0.32	33.6	25.6840	7.22087	10.5136	40.8543
56	14	500S-0W	12-22	8-40493	0.30	27.7	29.9608	7.45421	14.3001	45.6214
57	14	500S-0W	22-32	8-40494	0.32	29.2	25.6840	7.22087	10.5136	40.8543
58	14	500S-200W	0-2	8-40495	0.34	31.6	21.4072	7.07000	6.5537	36.2606
59	14	600S-100W	0-2	8-40486	0.34	7.6	21.4072	7.07000	6.5537	36.2606
60	14	600S-100E	0-2	8-40497	0.32	28.1	25.6840	7.22087	10.5136	40.8543
61	14	600S-200E	0-2	8-40498	0.35	31.7	19.2688	7.02727	4.5051	34.0324

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

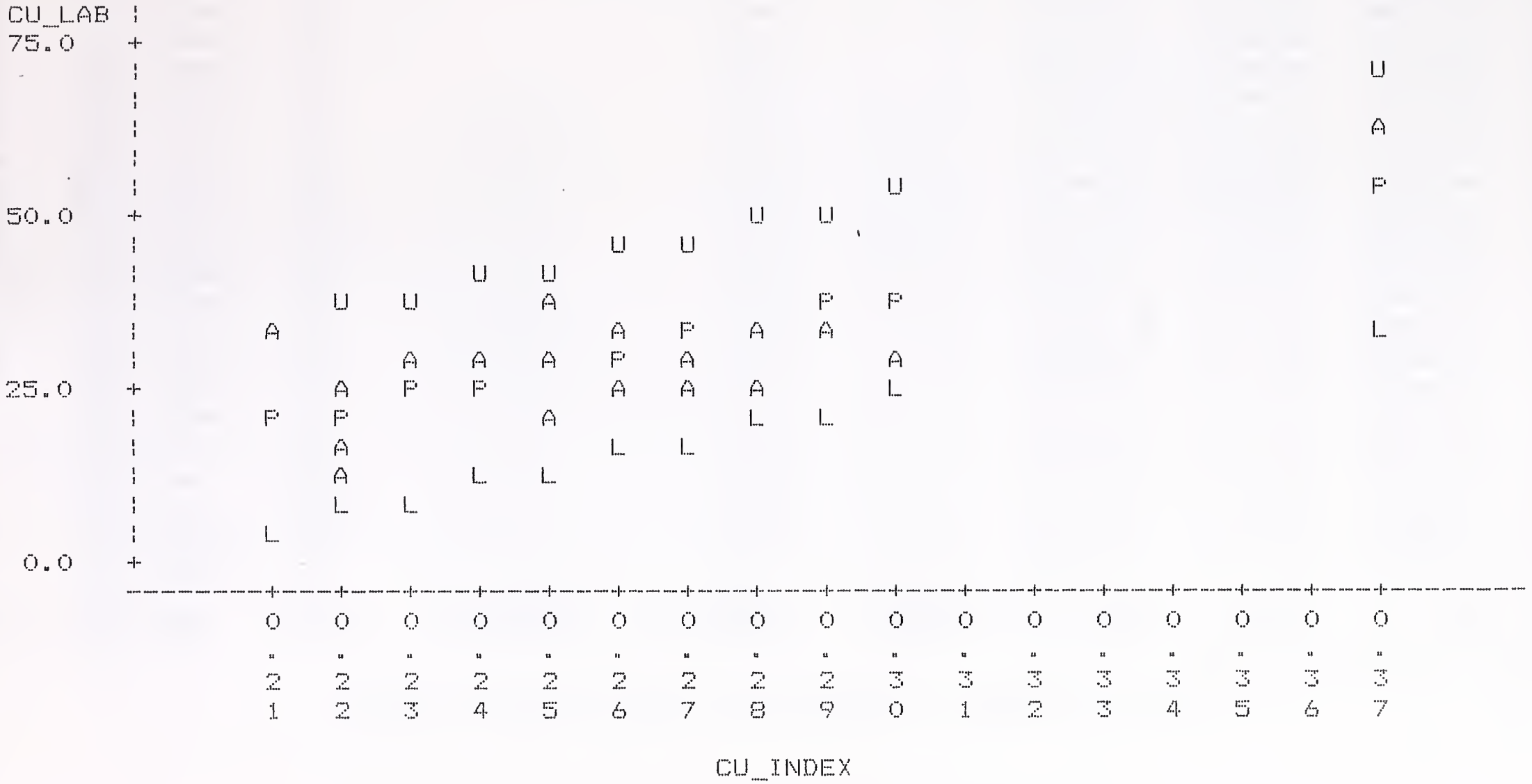


NOTE: 41 obs had missing values 149 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	14	200S-300E	0-2		0.23	.	23.4263	6.99868	8.7227	38.1299
2	14	400S-300W	0-2		0.27	.	31.8557	6.94595	17.2628	46.4485
3	14	200S-100E	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
4	14	200S-0W	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
5	14	200S-100W	2-6		0.23	.	23.4263	6.99868	8.7227	38.1299
6	14	200S-200W	0-2		0.22	.	21.3189	7.07113	6.4631	36.1747
7	14	200S-200W	2-4		0.26	.	29.7483	6.92306	15.2036	44.2930
8	14	200S-300W	0-2		0.21	.	19.2116	7.16621	4.1560	34.2671
9	14	100S-300W	0-2		0.26	.	29.7483	6.92306	15.2036	44.2930
10	14	100S-200W	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
11	14	100S-200W	2-8		0.22	.	21.3189	7.07113	6.4631	36.1747
12	14	100S-200W	8-16		0.26	.	29.7483	6.92306	15.2036	44.2930
13	14	100S-200W	16-24		0.22	.	21.3189	7.07113	6.4631	36.1747
14	14	500S-300W	0-2		0.27	.	31.8557	6.94595	17.2628	46.4485
15	14	400S-100E	0-2		0.24	.	25.5336	6.94956	10.9332	40.1340
16	14	500S-100E	0-2		0.23	.	23.4263	6.99868	8.7227	38.1299
17	14	600S-100E	0-2		0.23	.	23.4263	6.99868	8.7227	38.1299
18	14	300S-100E	0-2		0.24	.	25.5336	6.94956	10.9332	40.1340
19	14	200S-200E	0-2		0.23	.	23.4263	6.99868	8.7227	38.1299
20	14	300S-200E	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
21	14	400S-200E	0-2		0.24	.	25.5336	6.94956	10.9332	40.1340
22	14	500S-200E	0-2		0.22	.	21.3189	7.07113	6.4631	36.1747
23	14	600S-200E	0-2		0.26	.	29.7483	6.92306	15.2036	44.2930
24	14	600S-0W	0-2		0.26	.	29.7483	6.92306	15.2036	44.2930
25	14	500S-0W	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
26	14	500S-0W	2-10		0.26	.	29.7483	6.92306	15.2036	44.2930
27	14	500S-0W	10-18		0.28	.	33.9630	6.99271	19.2720	48.6540
28	14	500S-0W	18-25		0.25	.	27.6410	6.92426	13.0937	42.1882
29	14	500S-0W	25-32		0.26	.	29.7483	6.92306	15.2036	44.2930
30	14	400S-0W	0-2		0.26	.	29.7483	6.92306	15.2036	44.2930
31	14	300S-0W	2-6		0.26	.	29.7483	6.92306	15.2036	44.2930
32	14	300S-300W	0-2		0.27	.	31.8557	6.94595	17.2628	46.4485
33	14	500S-400W	0-2		0.27	.	31.8557	6.94595	17.2628	46.4485
34	14	400S-400W	2-6		0.28	.	33.9630	6.99271	19.2720	48.6540
35	14	500S-200W	0-2		0.24	.	25.5336	6.94956	10.9332	40.1340

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	14	400S-200W	0-2		0.24	.	25.5336	6.94956	10.9332	40.1340
37	14	300S-200W	2-4		0.25	.	27.6410	6.92426	13.0937	42.1882
38	14	300S-100W	0-2		0.25	.	27.6410	6.92426	13.0937	42.1882
39	14	400S-100W	0-2		0.26	.	29.7483	6.92306	15.2036	44.2930
40	14	500S-100W	6-10		0.25	.	27.6410	6.92426	13.0937	42.1882
41	14	600S-100W	0-2		0.29	.	36.0703	7.06286	21.2319	50.9088
42	14	200S-200E	0-2	8-40475	0.37	63.0	52.9291	8.35489	35.3763	70.4820
43	14	200S-100E	0-2	8-40476	0.27	31.0	31.8557	6.94595	17.2628	46.4485
44	14	200S-100W	0-2	8-40477	0.25	36.0	27.6410	6.92426	13.0937	42.1882
45	14	200S-300W	0-2	8-40479	0.28	35.0	33.9630	6.99271	19.2720	48.6540
46	14	300S-200W	0-2	8-40481	0.26	34.0	29.7483	6.92306	15.2036	44.2930
47	14	300S-0W	0-2	8-40482	0.30	31.0	38.1777	7.15571	23.1442	53.2112
48	14	300S-200E	0-2	8-40483	0.28	23.0	33.9630	6.99271	19.2720	48.6540
49	14	400S-200E	0-2	8-40484	0.29	35.0	36.0703	7.06286	21.2319	50.9088
50	14	400S-100E	0-2	8-40485	0.27	25.0	31.8557	6.94595	17.2628	46.4485
51	14	400S-100W	0-2	8-40486	0.25	28.0	27.6410	6.92426	13.0937	42.1882
52	14	400S-300W	0-2	8-40487	0.26	26.0	29.7483	6.92306	15.2036	44.2930
53	14	500S-400W	0-2	8-40488	0.25	22.0	27.6410	6.92426	13.0937	42.1882
54	14	500S-0W	0-2	8-40491	0.22	27.0	21.3189	7.07113	6.4631	36.1747
55	14	500S-0W	2-12	8-40492	0.22	18.0	21.3189	7.07113	6.4631	36.1747
56	14	500S-0W	12-22	8-40493	0.22	13.0	21.3189	7.07113	6.4631	36.1747
57	14	500S-0W	22-32	8-40494	0.22	15.0	21.3189	7.07113	6.4631	36.1747
58	14	500S-200W	0-2	8-40495	0.22	24.0	21.3189	7.07113	6.4631	36.1747
59	14	600S-100W	0-2	8-40486	0.23	28.0	23.4263	6.99868	8.7227	38.1299
60	14	600S-100E	0-2	8-40497	0.21	32.0	19.2116	7.16621	4.1560	34.2671
61	14	600S-200E	0-2	8-40498	0.24	30.0	25.5336	6.94956	10.9332	40.1340

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

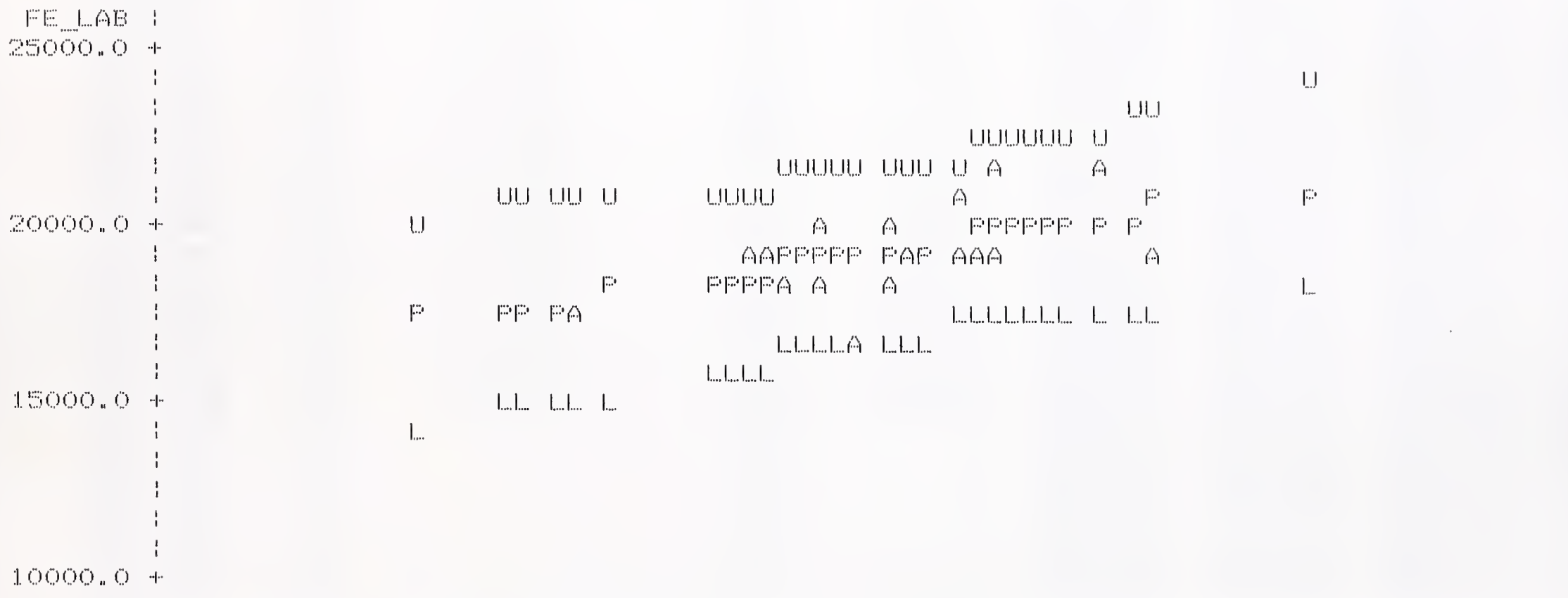


NOTE: 41 obs had missing values 155 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	14	200S-300E	0-2		1.11	.	18877.79	1164.96	16430.32	21325.27
2	14	400S-300W	0-2		1.30	.	20353.42	1247.53	17732.47	22974.37
3	14	200S-100E	0-2		1.08	.	18644.80	1184.67	16155.93	21133.67
4	14	200S-0W	0-2		1.08	.	18644.80	1184.67	16155.93	21133.67
5	14	200S-100W	2-6		1.00	.	18023.49	1276.93	15340.78	20706.19
6	14	200S-200W	0-2		1.17	.	19343.78	1152.46	16922.57	21764.99
7	14	200S-200W	2-4		1.09	.	18722.47	1177.13	16249.42	21195.52
8	14	200S-300W	0-2		1.06	.	18489.47	1202.53	15963.07	21015.87
9	14	100S-300W	0-2		0.94	.	17557.50	1378.34	14661.73	20453.27
10	14	100S-200W	0-2		1.13	.	19033.12	1156.74	16602.91	21463.33
11	14	100S-200W	2-8		1.07	.	18567.14	1193.14	16060.47	21073.81
12	14	100S-200W	8-16		1.40	.	21130.06	1415.20	18156.86	24103.26
13	14	100S-200W	16-24		1.14	.	19110.79	1154.14	16686.04	21535.54
14	14	500S-300W	0-2		1.30	.	20353.42	1247.53	17732.47	22974.37
15	14	400S-100E	0-2		1.14	.	19110.79	1154.14	16686.04	21535.54
16	14	500S-100E	0-2		1.09	.	18722.47	1177.13	16249.42	21195.52
17	14	600S-100E	0-2		0.89	.	17169.18	1479.53	14060.81	20277.54
18	14	300S-100E	0-2		1.13	.	19033.12	1156.74	16602.91	21463.33
19	14	200S-200E	0-2		1.11	.	18877.79	1164.96	16430.32	21325.27
20	14	300S-200E	0-2		1.06	.	18489.47	1202.53	15963.07	21015.87
21	14	400S-200E	0-2		1.07	.	18567.14	1193.14	16060.47	21073.81
22	14	500S-200E	0-2		0.97	.	17790.49	1324.61	15007.62	20573.37
23	14	600S-200E	0-2		1.09	.	18722.47	1177.13	16249.42	21195.52
24	14	600S-0W	0-2		1.24	.	19887.43	1183.87	17400.23	22374.63
25	14	500S-0W	0-2		1.17	.	19343.78	1152.46	16922.57	21764.99
26	14	500S-0W	2-10		1.07	.	18567.14	1193.14	16060.47	21073.81
27	14	500S-0W	10-18		1.26	.	20042.76	1201.55	17518.42	22567.10
28	14	500S-0W	18-25		1.09	.	18722.47	1177.13	16249.42	21195.52
29	14	500S-0W	25-32		0.95	.	17635.16	1359.80	14778.35	20491.98
30	14	400S-0W	0-2		1.23	.	19809.77	1176.43	17338.19	22281.35
31	14	300S-0W	2-6		1.25	.	19965.10	1192.25	17460.29	22469.90
32	14	300S-300W	0-2		1.07	.	18567.14	1193.14	16060.47	21073.81
33	14	500S-400W	0-2		1.18	.	19421.45	1153.94	16997.13	21845.77
34	14	400S-400W	2-6		1.18	.	19421.45	1153.94	16997.13	21845.77
35	14	500S-200W	0-2		1.21	.	19654.44	1164.46	17208.02	22100.86

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	14	400S-200W	0-2		1.22	.	19732.10	1169.96	17274.13	22190.08
37	14	300S-200W	2-4		1.17	.	19343.78	1152.46	16922.57	21764.99
38	14	300S-100W	0-2		1.09	.	18722.47	1177.13	16249.42	21195.52
39	14	400S-100W	0-2		1.18	.	19421.45	1153.94	16997.13	21845.77
40	14	500S-100W	6-10		1.20	.	19576.77	1159.95	17139.83	22013.72
41	14	600S-100W	0-2		1.24	.	19887.43	1183.87	17400.23	22374.63
42	14	200S-200E	0-2	8-40475	1.20	20600.0	19576.77	1159.95	17139.83	22013.72
43	14	200S-100E	0-2	8-40476	1.22	21800.0	19732.10	1169.96	17274.13	22190.08
44	14	200S-100W	0-2	8-40477	1.12	18400.0	18955.46	1160.35	16517.66	21393.25
45	14	200S-300W	0-2	8-40479	1.28	21600.0	20198.09	1222.83	17629.04	22767.14
46	14	300S-200W	0-2	8-40481	1.16	20200.0	19266.12	1152.00	16845.87	21686.36
47	14	300S-0W	0-2	8-40482	1.20	20800.0	19576.77	1159.95	17139.83	22013.72
48	14	300S-200E	0-2	8-40483	1.31	18800.0	20431.08	1261.10	17781.63	23080.54
49	14	400S-200E	0-2	8-40484	1.16	18200.0	19266.12	1152.00	16845.87	21686.36
50	14	400S-100E	0-2	8-40485	1.17	19200.0	19343.78	1152.46	16922.57	21764.99
51	14	400S-100W	0-2	8-40486	1.09	19200.0	18722.47	1177.13	16249.42	21195.52
52	14	400S-300W	0-2	8-40487	1.22	19200.0	19732.10	1169.96	17274.13	22190.08
53	14	500S-400W	0-2	8-40488	1.14	16800.0	19110.79	1154.14	16686.04	21535.54
54	14	500S-0W	0-2	8-40491	1.09	19000.0	18722.47	1177.13	16249.42	21195.52
55	14	500S-0W	2-12	8-40492	1.12	19600.0	18955.46	1160.35	16517.66	21393.25
56	14	500S-0W	12-22	8-40493	1.21	18800.0	19654.44	1164.46	17208.02	22100.86
57	14	500S-0W	22-32	8-40494	1.08	19400.0	18644.80	1184.67	16155.93	21133.67
58	14	500S-200W	0-2	8-40495	1.16	18200.0	19266.12	1152.00	16845.87	21686.36
59	14	600S-100W	0-2	8-40486	1.20	19200.0	19576.77	1159.95	17139.83	22013.72
60	14	600S-100E	0-2	8-40497	0.98	17800.0	17868.16	1308.01	15120.16	20616.16
61	14	600S-200E	0-2	8-40498	1.10	18600.0	18800.13	1170.56	16340.89	21259.37

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

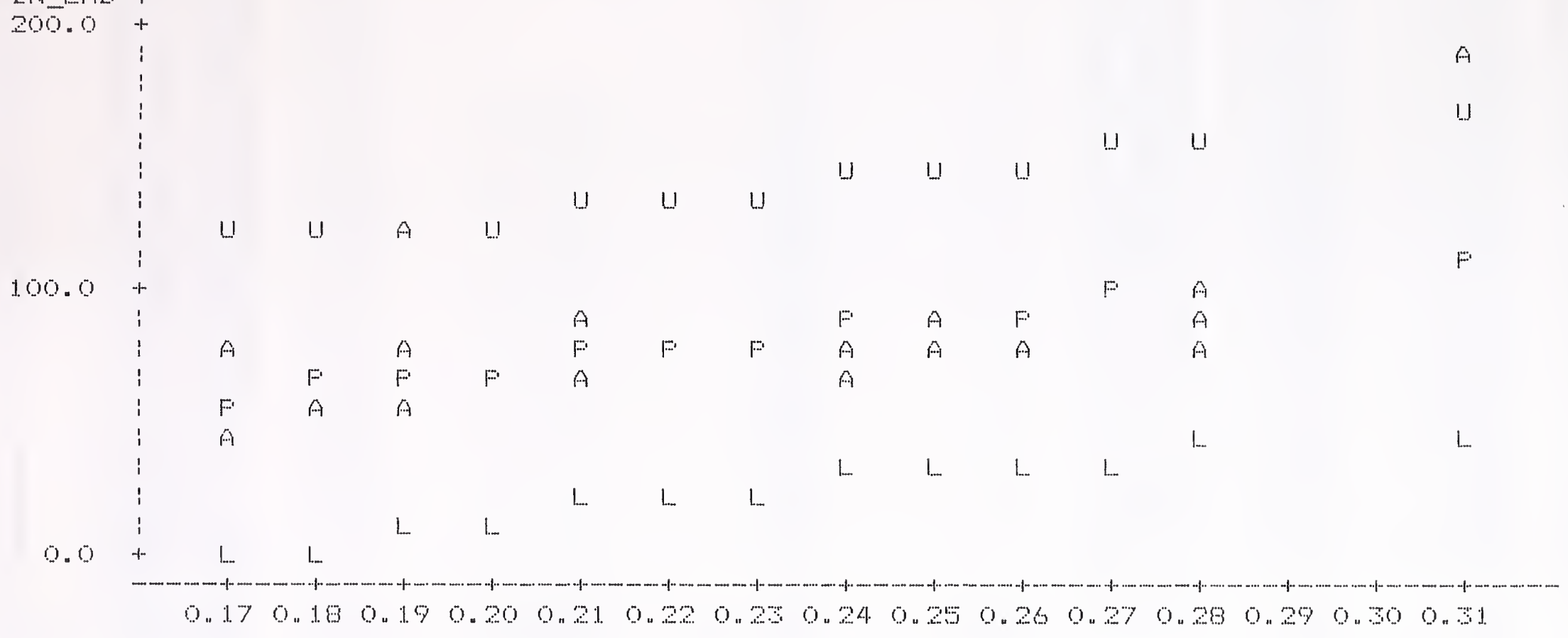


NOTE: 41 obs had missing values 103 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	14	200S-300E	0-2		0.18	.	62.649	27.7508	4.3466	120.950
2	14	400S-300W	0-2		0.25	.	87.641	26.7989	31.3392	143.943
3	14	200S-100E	0-2		0.19	.	66.219	27.3982	8.6579	123.780
4	14	200S-0W	0-2		0.19	.	66.219	27.3982	8.6579	123.780
5	14	200S-100W	2-6		0.17	.	59.078	28.1703	-0.1051	118.261
6	14	200S-200W	0-2		0.20	.	69.789	27.1150	12.8232	126.755
7	14	200S-200W	2-4		0.19	.	66.219	27.3982	8.6579	123.780
8	14	200S-300W	0-2		0.21	.	73.360	26.9034	16.8381	129.881
9	14	100S-300W	0-2		0.23	.	80.500	26.7014	24.4031	136.598
10	14	100S-200W	0-2		0.25	.	87.641	26.7989	31.3392	143.943
11	14	100S-200W	2-8		0.20	.	69.789	27.1150	12.8232	126.755
12	14	100S-200W	8-16		0.19	.	66.219	27.3982	8.6579	123.780
13	14	100S-200W	16-24		0.17	.	59.078	28.1703	-0.1051	118.261
14	14	500S-300W	0-2		0.24	.	84.071	26.7127	27.9499	140.192
15	14	400S-100E	0-2		0.20	.	69.789	27.1150	12.8232	126.755
16	14	500S-100E	0-2		0.20	.	69.789	27.1150	12.8232	126.755
17	14	600S-100E	0-2		0.23	.	80.500	26.7014	24.4031	136.598
18	14	300S-100E	0-2		0.20	.	69.789	27.1150	12.8232	126.755
19	14	200S-200E	0-2		0.23	.	80.500	26.7014	24.4031	136.598
20	14	300S-200E	0-2		0.21	.	73.360	26.9034	16.8381	129.881
21	14	400S-200E	0-2		0.22	.	76.930	26.7652	20.6988	133.161
22	14	500S-200E	0-2		0.22	.	76.930	26.7652	20.6988	133.161
23	14	600S-200E	0-2		0.24	.	84.071	26.7127	27.9499	140.192
24	14	600S-0W	0-2		0.24	.	84.071	26.7127	27.9499	140.192
25	14	500S-0W	0-2		0.23	.	80.500	26.7014	24.4031	136.598
26	14	500S-0W	2-10		0.24	.	84.071	26.7127	27.9499	140.192
27	14	500S-0W	10-18		0.24	.	84.071	26.7127	27.9499	140.192
28	14	500S-0W	18-25		0.22	.	76.930	26.7652	20.6988	133.161
29	14	500S-0W	25-32		0.25	.	87.641	26.7989	31.3392	143.943
30	14	400S-0W	0-2		0.23	.	80.500	26.7014	24.4031	136.598
31	14	300S-0W	2-6		0.24	.	84.071	26.7127	27.9499	140.192
32	14	300S-300W	0-2		0.25	.	87.641	26.7989	31.3392	143.943
33	14	500S-400W	0-2		0.24	.	84.071	26.7127	27.9499	140.192
34	14	400S-400W	2-6		0.25	.	87.641	26.7989	31.3392	143.943
35	14	500S-200W	0-2		0.24	.	84.071	26.7127	27.9499	140.192

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	14	400S-200W	0-2		0.25	.	87.641	26.7989	31.3392	143.943
37	14	300S-200W	2-4		0.22	.	76.930	26.7652	20.6988	133.161
38	14	300S-100W	0-2		0.25	.	87.641	26.7989	31.3392	143.943
39	14	400S-100W	0-2		0.26	.	91.211	26.9592	34.5726	147.850
40	14	500S-100W	6-10		0.24	.	84.071	26.7127	27.9499	140.192
41	14	600S-100W	0-2		0.27	.	94.782	27.1925	37.6529	151.911
42	14	200S-200E	0-2	8-40475	0.31	184.0	109.063	28.8107	48.5347	169.592
43	14	200S-100E	0-2	8-40476	0.25	84.0	87.641	26.7989	31.3392	143.943
44	14	200S-100W	0-2	8-40477	0.25	85.0	87.641	26.7989	31.3392	143.943
45	14	200S-300W	0-2	8-40479	0.28	97.0	98.352	27.4968	40.5840	156.120
46	14	300S-200W	0-2	8-40481	0.25	79.0	87.641	26.7989	31.3392	143.943
47	14	300S-0W	0-2	8-40482	0.28	78.0	98.352	27.4968	40.5840	156.120
48	14	300S-200E	0-2	8-40483	0.26	79.0	91.211	26.9592	34.5726	147.850
49	14	400S-200E	0-2	8-40484	0.28	87.0	98.352	27.4968	40.5840	156.120
50	14	400S-100E	0-2	8-40485	0.28	75.0	98.352	27.4968	40.5840	156.120
51	14	400S-100W	0-2	8-40486	0.24	75.0	84.071	26.7127	27.9499	140.192
52	14	400S-300W	0-2	8-40487	0.24	68.0	84.071	26.7127	27.9499	140.192
53	14	500S-400W	0-2	8-40488	0.24	64.0	84.071	26.7127	27.9499	140.192
54	14	500S-0W	0-2	8-40491	0.17	73.0	59.078	28.1703	-0.1051	118.261
55	14	500S-0W	2-12	8-40492	0.18	56.0	62.649	27.7508	4.3466	120.950
56	14	500S-0W	12-22	8-40493	0.17	47.0	59.078	28.1703	-0.1051	118.261
57	14	500S-0W	22-32	8-40494	0.19	52.0	66.219	27.3982	8.6579	123.780
58	14	500S-200W	0-2	8-40495	0.21	66.0	73.360	26.9034	16.8381	129.881
59	14	600S-100W	0-2	8-40486	0.19	75.0	66.219	27.3982	8.6579	123.780
60	14	600S-100E	0-2	8-40497	0.19	127.0	66.219	27.3982	8.6579	123.780
61	14	600S-200E	0-2	8-40498	0.21	84.0	73.360	26.9034	16.8381	129.881

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

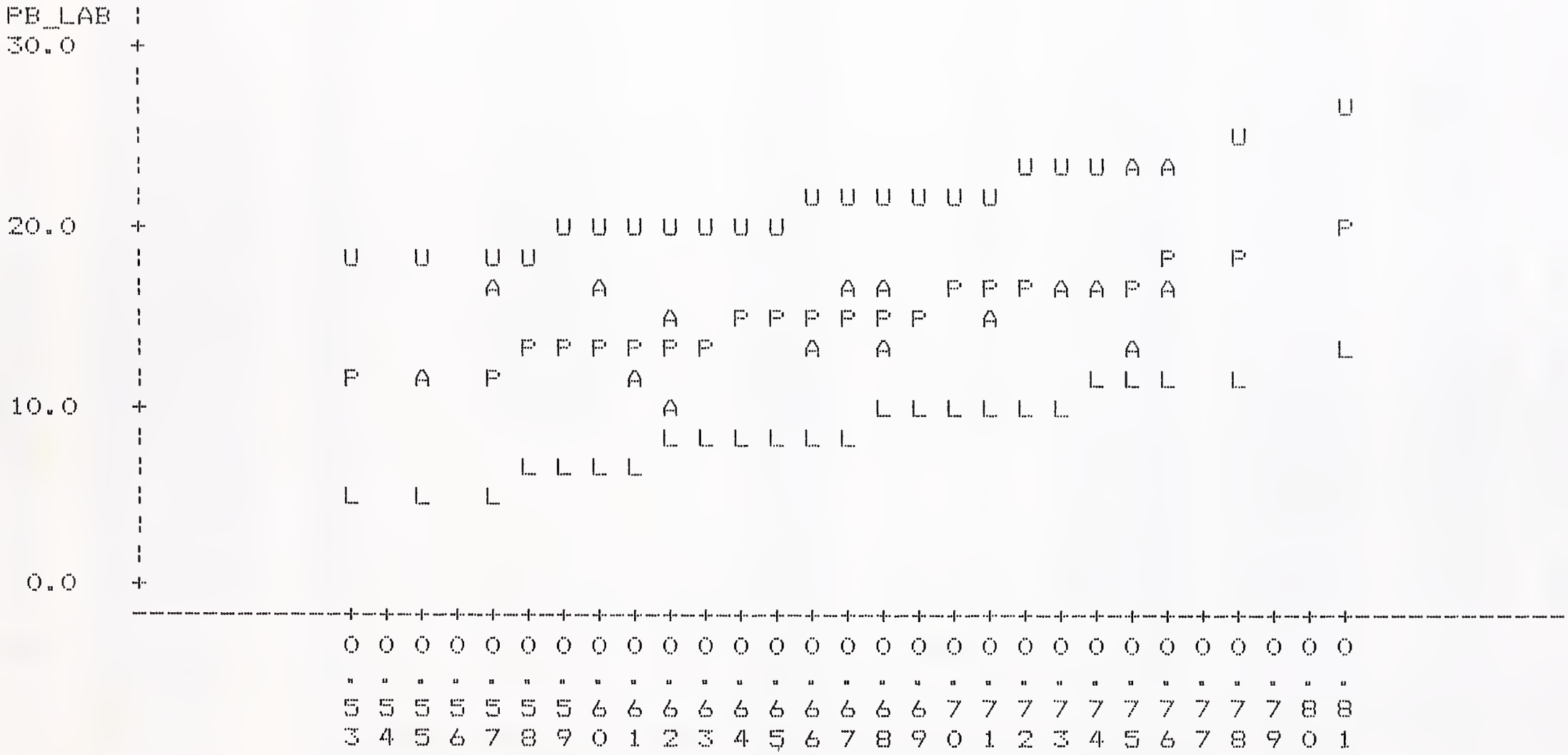


NOTE: 41 obs had missing values 150 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	14	200S-300E	0-2		0.58	.	12.5984	3.06372	6.1618	19.0350
2	14	400S-300W	0-2		0.72	.	16.6107	2.93374	10.4472	22.7742
3	14	200S-100E	0-2		0.65	.	14.6045	2.92133	8.4671	20.7420
4	14	200S-0W	0-2		0.69	.	15.7509	2.90903	9.6393	21.8625
5	14	200S-100W	2-6		0.61	.	13.4582	2.98461	7.1878	19.7286
6	14	200S-200W	0-2		0.62	.	13.7448	2.96414	7.5174	19.9722
7	14	200S-200W	2-4		0.74	.	17.1839	2.96605	10.9525	23.4153
8	14	200S-300W	0-2		0.65	.	14.6045	2.92133	8.4671	20.7420
9	14	100S-300W	0-2		0.67	.	15.1777	2.90870	9.0668	21.2887
10	14	100S-200W	0-2		0.70	.	16.0375	2.91405	9.9154	22.1597
11	14	100S-200W	2-8		0.63	.	14.0314	2.94674	7.8405	20.2222
12	14	100S-200W	8-16		0.59	.	12.8850	3.03447	6.5098	19.2601
13	14	100S-200W	16-24		0.53	.	11.1654	3.24982	4.3379	17.9930
14	14	500S-300W	0-2		0.73	.	16.8973	2.94834	10.7031	23.0915
15	14	400S-100E	0-2		0.61	.	13.4582	2.98461	7.1878	19.7286
16	14	500S-100E	0-2		0.64	.	14.3180	2.93245	8.1571	20.4788
17	14	600S-100E	0-2		0.63	.	14.0314	2.94674	7.8405	20.2222
18	14	300S-100E	0-2		0.69	.	15.7509	2.90903	9.6393	21.8625
19	14	200S-200E	0-2		0.64	.	14.3180	2.93245	8.1571	20.4788
20	14	300S-200E	0-2		0.73	.	16.8973	2.94834	10.7031	23.0915
21	14	400S-200E	0-2		0.75	.	17.4705	2.98682	11.1954	23.7455
22	14	500S-200E	0-2		0.63	.	14.0314	2.94674	7.8405	20.2222
23	14	600S-200E	0-2		0.71	.	16.3241	2.92230	10.1846	22.4636
24	14	600S-0W	0-2		0.69	.	15.7509	2.90903	9.6393	21.8625
25	14	500S-0W	0-2		0.73	.	16.8973	2.94834	10.7031	23.0915
26	14	500S-0W	2-10		0.70	.	16.0375	2.91405	9.9154	22.1597
27	14	500S-0W	10-18		0.74	.	17.1839	2.96605	10.9525	23.4153
28	14	500S-0W	18-25		0.68	.	15.4643	2.90724	9.3565	21.5722
29	14	500S-0W	25-32		0.73	.	16.8973	2.94834	10.7031	23.0915
30	14	400S-0W	0-2		0.68	.	15.4643	2.90724	9.3565	21.5722
31	14	300S-0W	2-6		0.70	.	16.0375	2.91405	9.9154	22.1597
32	14	300S-300W	0-2		0.72	.	16.6107	2.93374	10.4472	22.7742
33	14	500S-400W	0-2		0.81	.	19.1900	3.17163	12.5267	25.8534
34	14	400S-400W	2-6		0.73	.	16.8973	2.94834	10.7031	23.0915
35	14	500S-200W	0-2		0.66	.	14.8911	2.91341	8.7703	21.0119

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	14	400S-200W	0-2		0.64	.	14.3180	2.93245	8.1571	20.4788
37	14	300S-200W	2-4		0.70	.	16.0375	2.91405	9.9154	22.1597
38	14	300S-100W	0-2		0.74	.	17.1839	2.96605	10.9525	23.4153
39	14	400S-100W	0-2		0.70	.	16.0375	2.91405	9.9154	22.1597
40	14	500S-100W	6-10		0.68	.	15.4643	2.90724	9.3565	21.5722
41	14	600S-100W	0-2		0.78	.	18.3303	3.06680	11.8872	24.7733
42	14	200S-200E	0-2	8-40475	0.75	24.0	17.4705	2.98682	11.1954	23.7455
43	14	200S-100E	0-2	8-40476	0.68	17.0	15.4643	2.90724	9.3565	21.5722
44	14	200S-100W	0-2	8-40477	0.74	16.0	17.1839	2.96605	10.9525	23.4153
45	14	200S-300W	0-2	8-40479	0.76	16.0	17.7571	3.01058	11.4321	24.0820
46	14	300S-200W	0-2	8-40481	0.71	15.0	16.3241	2.92230	10.1846	22.4636
47	14	300S-0W	0-2	8-40482	0.76	17.0	17.7571	3.01058	11.4321	24.0820
48	14	300S-200E	0-2	8-40483	0.73	16.0	16.8973	2.94834	10.7031	23.0915
49	14	400S-200E	0-2	8-40484	0.76	23.0	17.7571	3.01058	11.4321	24.0820
50	14	400S-100E	0-2	8-40485	0.75	14.0	17.4705	2.98682	11.1954	23.7455
51	14	400S-100W	0-2	8-40486	0.71	15.0	16.3241	2.92230	10.1846	22.4636
52	14	400S-300W	0-2	8-40487	0.66	14.0	14.8911	2.91341	8.7703	21.0119
53	14	500S-400W	0-2	8-40488	0.68	13.0	15.4643	2.90724	9.3565	21.5722
54	14	500S-0W	0-2	8-40491	0.57	16.0	12.3118	3.09574	5.8079	18.8157
55	14	500S--0W	2-12	8-40492	0.61	12.0	13.4582	2.98461	7.1878	19.7286
56	14	500S-0W	12-22	8-40493	0.55	11.0	11.7386	3.16776	5.0834	18.3938
57	14	500S-0W	22-32	8-40494	0.62	10.0	13.7448	2.96414	7.5174	19.9722
58	14	500S-200W	0-2	8-40495	0.66	13.0	14.8911	2.91341	8.7703	21.0119
59	14	600S-100W	0-2	8-40486	0.62	15.0	13.7448	2.96414	7.5174	19.9722
60	14	600S-100E	0-2	8-40497	0.60	16.0	13.1716	3.00807	6.8519	19.4913
61	14	600S-200E	0-2	8-40498	0.67	16.0	15.1777	2.90870	9.0668	21.2887

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L



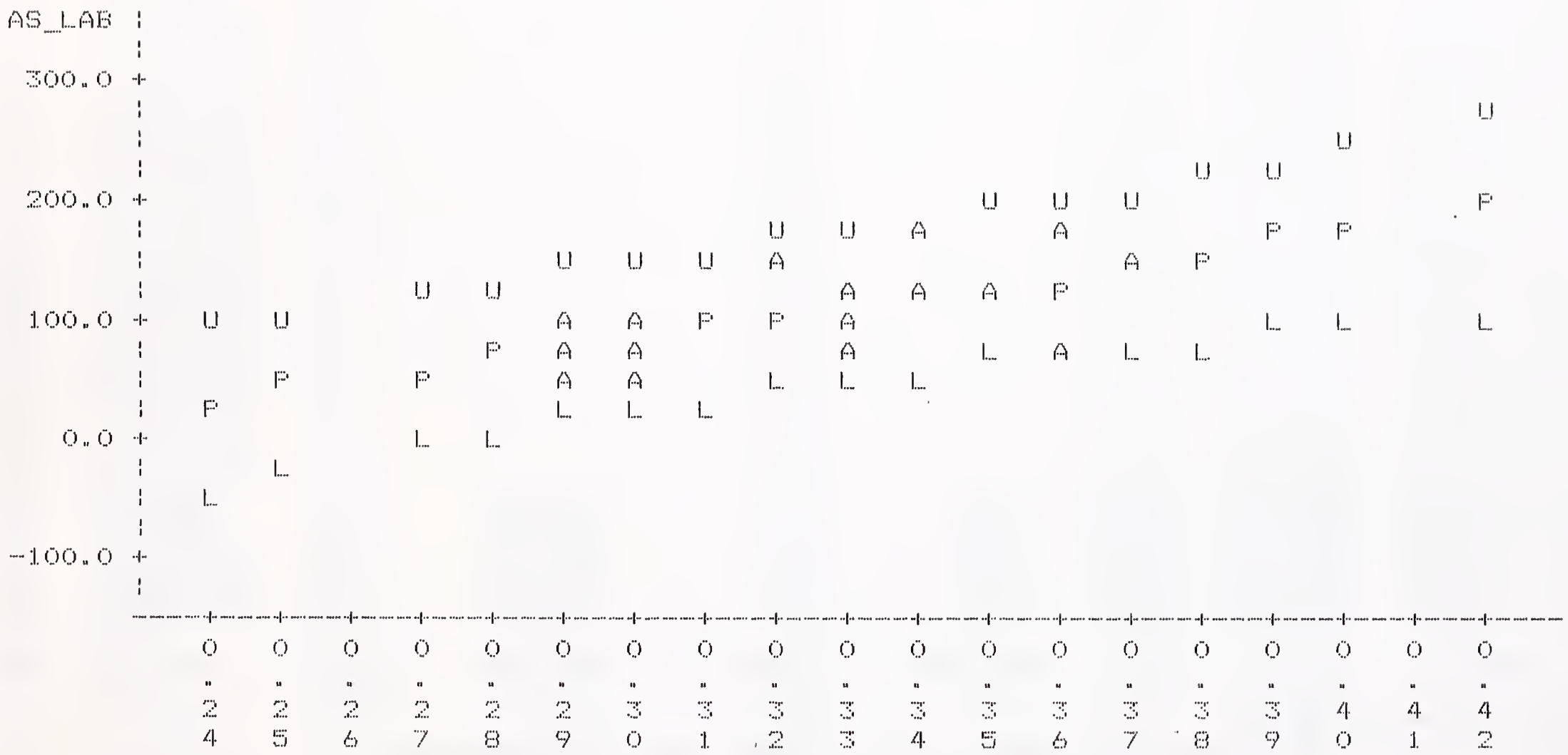
NOTE: 41 obs had missing values 119 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	15	ON-300E	0-2		0.28	.	67.860	30.6843	3.395	132.325
2	15	ON-300E	2-4		0.31	.	93.707	29.4365	31.864	155.551
3	15	ON-300E	4-10		0.30	.	85.092	29.6756	22.746	147.437
4	15	ON-300E	10-15		0.27	.	59.244	31.4368	-6.801	125.290
5	15	ON-300E	15-20		0.25	.	42.013	33.3825	-28.121	112.146
6	15	ON-300E	20-25		0.24	.	33.397	34.5508	-39.191	105.985
7	15	ON-300E	25-29		0.25	.	42.013	33.3825	-28.121	112.146
8	15	ON-400E	0-2		0.33	.	110.939	29.5103	48.941	172.937
9	15	ON-400E	4-10		0.29	.	76.476	30.0940	13.251	139.701
10	15	ON-200E	0-2		0.31	.	93.707	29.4365	31.864	155.551
11	15	ON-200E	4-10		0.36	.	136.786	30.9664	71.729	201.844
12	15	ON-100E	0-2		0.36	.	136.786	30.9664	71.729	201.844
13	15	ON-100E	4-10		0.34	.	119.555	29.8218	56.902	182.207
14	15	ON-0W	0-2		0.33	.	110.939	29.5103	48.941	172.937
15	15	ON-0W	4-10		0.36	.	136.786	30.9664	71.729	201.844
16	15	ON-100W	0-2		0.33	.	110.939	29.5103	48.941	172.937
17	15	ON-100W	4-10		0.35	.	128.170	30.3099	64.492	191.849
18	15	ON-200W	0-2		0.33	.	110.939	29.5103	48.941	172.937
19	15	ON-200W	4-10		0.30	.	85.092	29.6756	22.746	147.437
20	15	ON-300W	0-2		0.30	.	85.092	29.6756	22.746	147.437
21	15	ON-300W	4-10		0.40	.	171.249	35.0506	97.611	244.887
22	15	ON-300W	10-15		0.39	.	162.633	33.8354	91.548	233.718
23	15	ON-400W	0-2		0.30	.	85.092	29.6756	22.746	147.437
24	15	ON-400W	4-10		0.36	.	136.786	30.9664	71.729	201.844
25	15	ON-500W	0-2		0.30	.	85.092	29.6756	22.746	147.437
26	15	ON-500W	4-10		0.33	.	110.939	29.5103	48.941	172.937
27	15	ON-600W	0-2		0.28	.	67.860	30.6843	3.395	132.325
28	15	ON-600W	4-10		0.30	.	85.092	29.6756	22.746	147.437
29	15	100S-400W	0-2		0.37	.	145.402	31.7808	78.633	212.170
30	15	100S-400W	4-10		0.42	.	188.481	37.7967	109.073	267.888
31	15	100S-500W	0-2		0.38	.	154.018	32.7412	85.231	222.804
32	15	100S-500W	4-10		0.35	.	128.170	30.3099	64.492	191.849
33	15	100S-600W	0-2		0.35	.	128.170	30.3099	64.492	191.849
34	15	100S-600W	4-10		0.39	.	162.633	33.8354	91.548	233.718
35	15	100S-700W	0-2		0.35	.	128.170	30.3099	64.492	191.849

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	15	100S-700W	4-10		0.30	.	85.092	29.6756	22.746	147.437
37	15	100N-0W	0-2		0.28	.	67.860	30.6843	3.395	132.325
38	15	100N-0W	4-10		0.34	.	119.555	29.8218	56.902	182.207
39	15	100N-100E	0-2		0.30	.	85.092	29.6756	22.746	147.437
40	15	100N-100E	4-10		0.36	.	136.786	30.9664	71.729	201.844
41	15	100N-300E	0-2		0.30	.	85.092	29.6756	22.746	147.437
42	15	100N-100W	0-2		0.30	.	85.092	29.6756	22.746	147.437
43	15	100N-300E	4-10		0.32	.	102.323	29.3810	40.596	164.050
44	15	100N-200E	0-2		0.28	.	67.860	30.6843	3.395	132.325
45	15	100N-200E	4-10		0.30	.	85.092	29.6756	22.746	147.437
46	15	100N-200W	4-10		0.30	.	85.092	29.6756	22.746	147.437
47	15	100N-100W	4-10		0.33	.	110.939	29.5103	48.941	172.937
48	15	100N-200W	0-2		0.30	.	85.092	29.6756	22.746	147.437
49	15	100N-300W	0-2		0.29	.	76.476	30.0940	13.251	139.701
50	15	200S-500W	4-10		0.36	.	136.786	30.9664	71.729	201.844
51	15	200S-600W	0-2		0.31	.	93.707	29.4365	31.864	155.551
52	15	100N-300W	4-10		0.28	.	67.860	30.6843	3.395	132.325
53	15	200S-700W	0-2		0.30	.	85.092	29.6756	22.746	147.437
54	15	200S-700W	4-10		0.32	.	102.323	29.3810	40.596	164.050
55	15	0N-400E	0-2	8-40301	0.29	90.8	76.476	30.0940	13.251	139.701
56	15	0N-200E	0-2	8-40302	0.34	120.0	119.555	29.8218	56.902	182.207
57	15	100N-200E	0-2	8-40303	0.29	83.8	76.476	30.0940	13.251	139.701
58	15	100N-100E	4-10	8-40304	0.29	73.6	76.476	30.0940	13.251	139.701
59	15	0N-0E	0-2	8-40305	0.33	116.0	110.939	29.5103	48.941	172.937
60	15	0N-0E	4-10	8-40306	0.35	114.0	128.170	30.3099	64.492	191.849
61	15	0N-0E	10-15	8-40307	0.36	69.9	136.786	30.9664	71.729	201.844
62	15	100N-100W	0-2	8-40308	0.29	57.6	76.476	30.0940	13.251	139.701
63	15	0N-200W	0-2	8-40309	0.29	64.6	76.476	30.0940	13.251	139.701
64	15	100N-300W	0-2	8-40314	0.30	57.9	85.092	29.6756	22.746	147.437
65	15	0N-400W	0-2	8-40315	0.30	85.9	85.092	29.6756	22.746	147.437
66	15	100S-400W	0-2	8-40316	0.34	180.0	119.555	29.8218	56.902	182.207
67	15	100S-500W	0-2	8-40317	0.32	150.0	102.323	29.3810	40.596	164.050
68	15	100S-500W	4-10	8-40318	0.37	150.0	145.402	31.7808	78.633	212.170
69	15	100S-500W	10-15	8-40319	0.33	78.8	110.939	29.5103	48.941	172.937
70	15	200S-600W	4-10	8-40320	0.36	170.0	136.786	30.9664	71.729	201.844

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
71	15	200S-700W	0-2	8-40321	0.29	65.7	76.476	30.0940	13.251	139.701
72	15	100S-700W	0-2	8-40322	0.29	83.4	76.476	30.0940	13.251	139.701
73	15	0N-600W	0-2	8-40323	0.30	100.0	85.092	29.6756	22.746	147.437
74	15	0N-600W	4-10	8-40324	0.33	100.0	110.939	29.5103	48.941	172.937

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



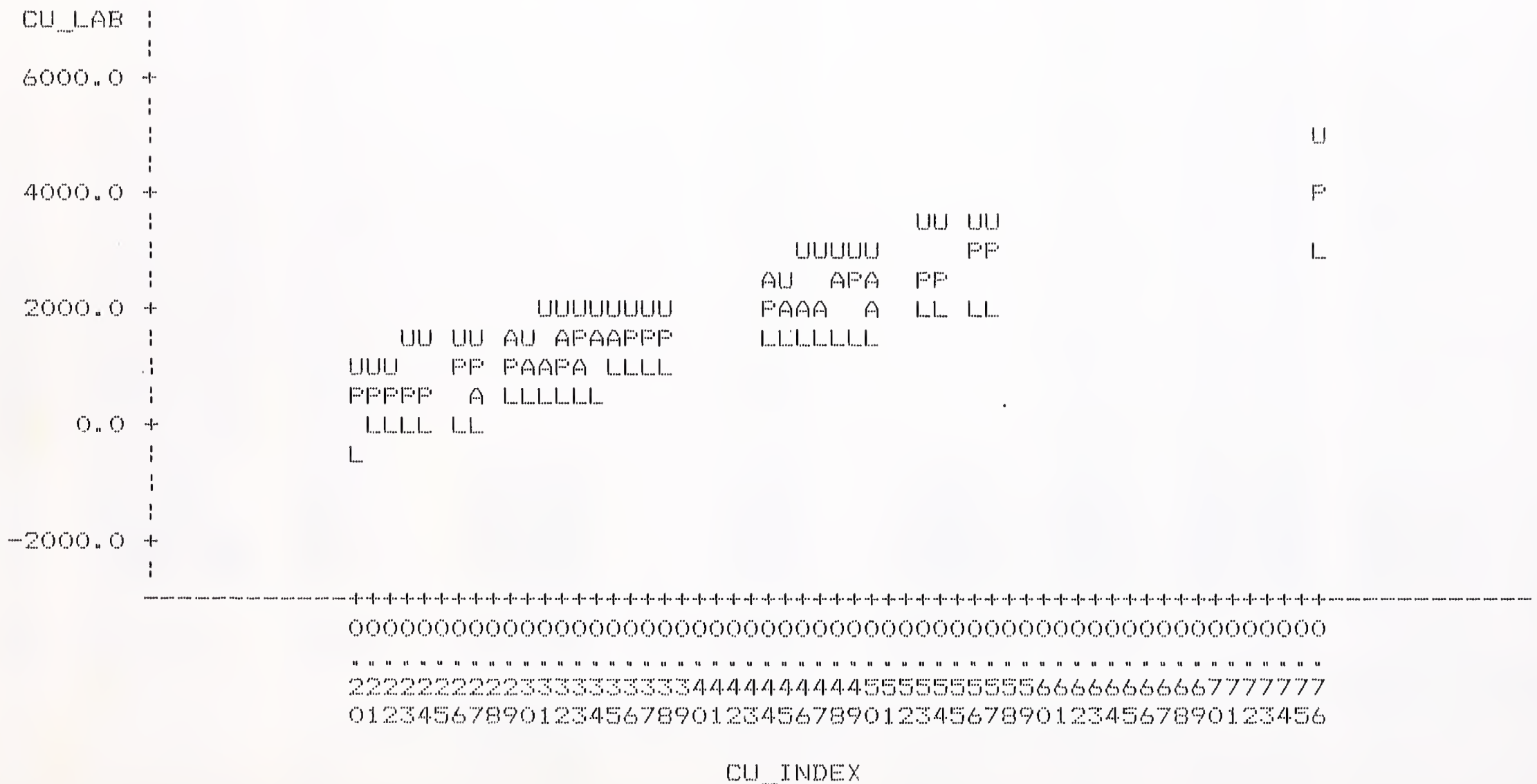
NOTE: 54 obs had missing values 183 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	15	ON-300E	0-2		0.34	.	1339.80	290.073	730.38	1949.21
2	15	ON-300E	2-4		0.38	.	1602.47	289.170	994.95	2209.99
3	15	ON-300E	4-10		0.38	.	1602.47	289.170	994.95	2209.99
4	15	ON-300E	10-15		0.22	.	551.78	313.492	-106.84	1210.40
5	15	ON-300E	15-20		0.20	.	420.45	320.103	-252.06	1092.95
6	15	ON-300E	20-25		0.20	.	420.45	320.103	-252.06	1092.95
7	15	ON-300E	25-29		0.21	.	486.12	316.711	-179.27	1151.50
8	15	ON-400E	0-2		0.30	.	1077.13	294.551	458.30	1695.95
9	15	ON-400E	4-10		0.32	.	1208.46	291.873	595.26	1821.66
10	15	ON-200E	0-2		0.49	.	2324.81	304.921	1684.20	2965.42
11	15	ON-200E	4-10		0.50	.	2390.48	307.592	1744.26	3036.70
12	15	ON-100E	0-2		0.44	.	1996.47	294.551	1377.65	2615.30
13	15	ON-100E	4-10		0.47	.	2193.48	300.163	1562.86	2824.09
14	15	ON-0W	0-2		0.46	.	2127.81	298.084	1501.56	2754.06
15	15	ON-0W	4-10		0.57	.	2850.16	331.254	2154.22	3546.09
16	15	ON-100W	0-2		0.76	.	4097.84	427.887	3198.89	4996.79
17	15	ON-100W	4-10		0.36	.	1471.13	289.170	863.61	2078.65
18	15	ON-200W	0-2		0.48	.	2259.15	302.443	1623.74	2894.55
19	15	ON-200W	4-10		0.33	.	1274.13	290.862	663.05	1885.20
20	15	ON-300W	0-2		0.46	.	2127.81	298.084	1501.56	2754.06
21	15	ON-300W	4-10		0.50	.	2390.48	307.592	1744.26	3036.70
22	15	ON-300W	10-15		0.57	.	2850.16	331.254	2154.22	3546.09
23	15	ON-400W	0-2		0.37	.	1536.80	289.056	929.52	2144.08
24	15	ON-400W	4-10		0.34	.	1339.80	290.073	730.38	1949.21
25	15	ON-500W	0-2		0.35	.	1405.46	289.509	797.23	2013.70
26	15	ON-500W	4-10		0.33	.	1274.13	290.862	663.05	1885.20
27	15	ON-600W	0-2		0.32	.	1208.46	291.873	595.26	1821.66
28	15	ON-600W	4-10		0.26	.	814.45	302.443	179.05	1449.86
29	15	100S-400W	0-2		0.56	.	2784.49	327.380	2096.69	3472.28
30	15	100S-400W	4-10		0.53	.	2587.48	316.711	1922.10	3252.87
31	15	100S-500W	0-2		0.54	.	2653.15	320.103	1980.65	3325.66
32	15	100S-500W	4-10		0.35	.	1405.46	289.509	797.23	2013.70
33	15	100S-600W	0-2		0.53	.	2587.48	316.711	1922.10	3252.87
34	15	100S-600W	4-10		0.44	.	1996.47	294.551	1377.65	2615.30
35	15	100S-700W	0-2		0.35	.	1405.46	289.509	797.23	2013.70

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	15	100S-700W	4-10		0.23	.	617.45	310.451	-34.78	1269.68
37	15	100N-0W	0-2		0.33	.	1274.13	290.862	663.05	1885.20
38	15	100N-0W	4-10		0.37	.	1536.80	289.056	929.52	2144.08
39	15	100N-100E	0-2		0.38	.	1602.47	289.170	994.95	2209.99
40	15	100N-100E	4-10		0.44	.	1996.47	294.551	1377.65	2615.30
41	15	100N-300E	0-2		0.24	.	683.12	307.592	36.90	1329.34
42	15	100N-100W	0-2		0.35	.	1405.46	289.509	797.23	2013.70
43	15	100N-300E	4-10		0.27	.	880.12	300.163	249.51	1510.74
44	15	100N-200E	0-2		0.26	.	814.45	302.443	179.05	1449.86
45	15	100N-200E	4-10		0.27	.	880.12	300.163	249.51	1510.74
46	15	100N-200W	4-10		0.27	.	880.12	300.163	249.51	1510.74
47	15	100N-100W	4-10		0.34	.	1339.80	290.073	730.38	1949.21
48	15	100N-200W	0-2		0.35	.	1405.46	289.509	797.23	2013.70
49	15	100N-300W	0-2		0.29	.	1011.46	296.212	389.14	1633.77
50	15	200S-500W	4-10		0.48	.	2259.15	302.443	1623.74	2894.55
51	15	200S-600W	0-2		0.36	.	1471.13	289.170	863.61	2078.65
52	15	100N-300W	4-10		0.24	.	683.12	307.592	36.90	1329.34
53	15	200S-700W	0-2		0.31	.	1142.79	293.103	527.01	1758.58
54	15	200S-700W	4-10		0.26	.	814.45	302.443	179.05	1449.86
55	15	0N-400E	0-2	8-40301	0.32	1480.0	1208.46	291.873	595.26	1821.66
56	15	0N-200E	0-2	8-40302	0.46	2070.0	2127.81	298.084	1501.56	2754.06
57	15	100N-200E	0-2	8-40303	0.27	712.0	880.12	300.163	249.51	1510.74
58	15	100N-100E	4-10	8-40304	0.30	893.0	1077.13	294.551	458.30	1695.95
59	15	0N-0E	0-2	8-40305	0.45	1840.0	2062.14	296.212	1439.83	2684.46
60	15	0N-0E	4-10	8-40306	0.47	1850.0	2193.48	300.163	1562.86	2824.09
61	15	0N-0E	10-15	8-40307	0.34	1260.0	1339.80	290.073	730.38	1949.21
62	15	100N-100W	0-2	8-40308	0.31	1040.0	1142.79	293.103	527.01	1758.58
63	15	0N-200W	0-2	8-40309	0.33	1040.0	1274.13	290.862	663.05	1885.20
64	15	100N-300W	0-2	8-40314	0.30	1010.0	1077.13	294.551	458.30	1695.95
65	15	0N-400W	0-2	8-40315	0.35	1340.0	1405.46	289.509	797.23	2013.70
66	15	100S-400W	0-2	8-40316	0.48	2360.0	2259.15	302.443	1623.74	2894.55
67	15	100S-500W	0-2	8-40317	0.44	2690.0	1996.47	294.551	1377.65	2615.30
68	15	100S-500W	4-10	8-40318	0.50	2550.0	2390.48	307.592	1744.26	3036.70
69	15	100S-500W	10-15	8-40319	0.30	821.0	1077.13	294.551	458.30	1695.95
70	15	200S-600W	4-10	8-40320	0.50	2160.0	2390.48	307.592	1744.26	3036.70

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
71	15	200S-700W	0-2	8-40321	0.30	1090.0	1077.13	294.551	458.30	1695.95
72	15	100S-700W	0-2	8-40322	0.29	1530.0	1011.46	296.212	389.14	1633.77
73	15	ON-600W	0-2	8-40323	0.34	1700.0	1339.80	290.073	730.38	1949.21
74	15	ON-600W	4-10	8-40324	0.35	1300.0	1405.46	289.509	797.23	2013.70

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L



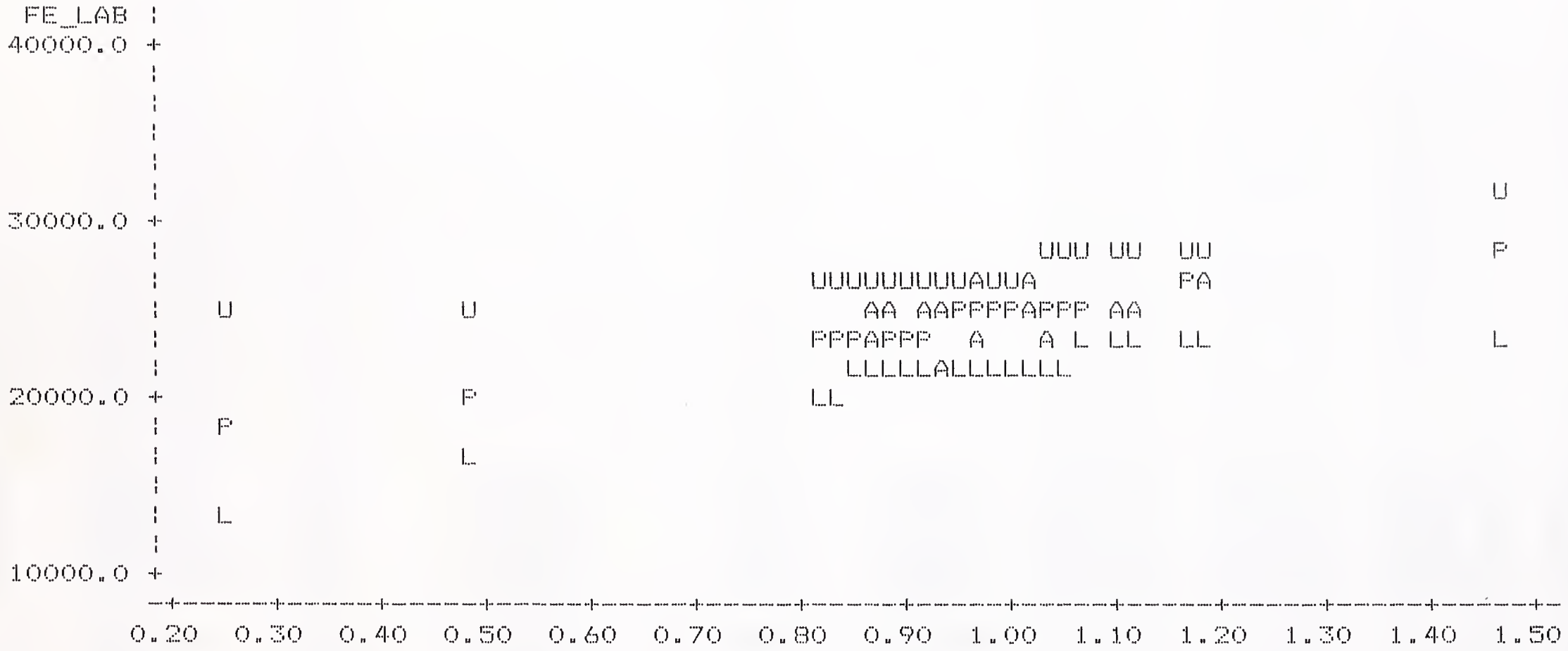
NOTE: 54 obs had missing values 151 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	15	ON-300E	0-2		0.90	.	23966.62	1248.83	21342.94	26590.29
2	15	ON-300E	2-4		0.98	.	24570.38	1228.01	21990.44	27150.31
3	15	ON-300E	4-10		1.06	.	25174.14	1259.11	22528.86	27819.42
4	15	ON-300E	10-15		0.99	.	24645.85	1229.07	22063.68	27228.02
5	15	ON-300E	15-20		0.91	.	24042.09	1243.41	21429.79	26654.38
6	15	ON-300E	20-25		0.83	.	23438.32	1307.85	20690.66	26185.99
7	15	ON-300E	25-29		0.86	.	23664.73	1278.17	20979.42	26350.05
8	15	ON-400E	0-2		0.88	.	23815.67	1261.99	21164.35	26467.00
9	15	ON-400E	4-10		0.81	.	23287.38	1331.06	20490.96	26083.81
10	15	ON-200E	0-2		1.05	.	25098.67	1252.45	22467.38	27729.96
11	15	ON-200E	4-10		1.10	.	25476.02	1293.21	22759.10	28192.93
12	15	ON-100E	0-2		0.95	.	24343.97	1229.73	21760.42	26927.51
13	15	ON-100E	4-10		1.00	.	24721.32	1230.96	22135.19	27307.44
14	15	ON-0W	0-2		1.01	.	24796.79	1233.65	22204.99	27388.58
15	15	ON-0W	4-10		0.25	.	19061.06	2599.65	13599.44	24522.68
16	15	ON-100W	0-2		1.46	.	28192.94	1976.40	24040.71	32345.17
17	15	ON-100W	4-10		0.90	.	23966.62	1248.83	21342.94	26590.29
18	15	ON-200W	0-2		1.10	.	25476.02	1293.21	22759.10	28192.93
19	15	ON-200W	4-10		0.93	.	24193.03	1234.96	21598.49	26787.56
20	15	ON-300W	0-2		0.94	.	24268.50	1231.94	21680.31	26856.69
21	15	ON-300W	4-10		1.05	.	25098.67	1252.45	22467.38	27729.96
22	15	ON-300W	10-15		1.10	.	25476.02	1293.21	22759.10	28192.93
23	15	ON-400W	0-2		0.91	.	24042.09	1243.41	21429.79	26654.38
24	15	ON-400W	4-10		0.97	.	24494.91	1227.76	21915.49	27074.32
25	15	ON-500W	0-2		0.94	.	24268.50	1231.94	21680.31	26856.69
26	15	ON-500W	4-10		0.95	.	24343.97	1229.73	21760.42	26927.51
27	15	ON-600W	0-2		0.92	.	24117.56	1238.79	21514.98	26720.14
28	15	ON-600W	4-10		0.93	.	24193.03	1234.96	21598.49	26787.56
29	15	100S-400W	0-2		1.00	.	24721.32	1230.96	22135.19	27307.44
30	15	100S-400W	4-10		1.05	.	25098.67	1252.45	22467.38	27729.96
31	15	100S-500W	0-2		1.16	.	25928.84	1365.05	23060.98	28796.69
32	15	100S-500W	4-10		1.00	.	24721.32	1230.96	22135.19	27307.44
33	15	100S-600W	0-2		1.11	.	25551.49	1303.53	22812.89	28290.08
34	15	100S-600W	4-10		0.98	.	24570.38	1228.01	21990.44	27150.31
35	15	100S-700W	0-2		1.10	.	25476.02	1293.21	22759.10	28192.93

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	15	100S-700W	4-10		0.96	.	24419.44	1228.34	21838.81	27000.06
37	15	100N-0W	0-2		0.85	.	23589.26	1287.35	20884.65	26293.88
38	15	100N-0W	4-10		0.88	.	23815.67	1261.99	21164.35	26467.00
39	15	100N-100E	0-2		0.90	.	23966.62	1248.83	21342.94	26590.29
40	15	100N-100E	4-10		1.07	.	25249.61	1266.53	22588.74	27910.47
41	15	100N-300E	0-2		0.85	.	23589.26	1287.35	20884.65	26293.88
42	15	100N-100W	0-2		0.86	.	23664.73	1278.17	20979.42	26350.05
43	15	100N-300E	4-10		0.87	.	23740.20	1269.71	21072.67	26407.74
44	15	100N-200E	0-2		0.83	.	23438.32	1307.85	20690.66	26185.99
45	15	100N-200E	4-10		0.86	.	23664.73	1278.17	20979.42	26350.05
46	15	100N-200W	4-10		0.94	.	24268.50	1231.94	21680.31	26856.69
47	15	100N-100W	4-10		1.07	.	25249.61	1266.53	22588.74	27910.47
48	15	100N-200W	0-2		1.00	.	24721.32	1230.96	22135.19	27307.44
49	15	100N-300W	0-2		0.91	.	24042.09	1243.41	21429.79	26654.38
50	15	200S-500W	4-10		1.04	.	25023.20	1246.57	22404.27	27642.12
51	15	200S-600W	0-2		0.93	.	24193.03	1234.96	21598.49	26787.56
52	15	100N-300W	4-10		0.87	.	23740.20	1269.71	21072.67	26407.74
53	15	200S-700W	0-2		0.48	.	20796.87	1986.36	16623.71	24970.03
54	15	200S-700W	4-10		1.01	.	24796.79	1233.65	22204.99	27388.58
55	15	0N-400E	0-2	8-40301	0.87	22600.0	23740.20	1269.71	21072.67	26407.74
56	15	0N-200E	0-2	8-40302	0.93	25200.0	24193.03	1234.96	21598.49	26787.56
57	15	100N-200E	0-2	8-40303	0.87	22600.0	23740.20	1269.71	21072.67	26407.74
58	15	100N-100E	4-10	8-40304	0.96	22800.0	24419.44	1228.34	21838.81	27000.06
59	15	0N-0E	0-2	8-40305	1.02	26200.0	24872.26	1237.16	22273.10	27471.42
60	15	0N-0E	4-10	8-40306	1.12	25200.0	25626.96	1314.53	22865.25	28388.67
61	15	0N-0E	10-15	8-40307	1.03	24000.0	24947.73	1241.47	22339.52	27555.94
62	15	100N-100W	0-2	8-40308	0.91	24200.0	24042.09	1243.41	21429.79	26654.38
63	15	0N-200W	0-2	8-40309	0.94	22400.0	24268.50	1231.94	21680.31	26856.69
64	15	100N-300W	0-2	8-40314	0.94	24200.0	24268.50	1231.94	21680.31	26856.69
65	15	0N-400W	0-2	8-40315	0.93	24400.0	24193.03	1234.96	21598.49	26787.56
66	15	100S-400W	0-2	8-40316	1.01	26000.0	24796.79	1233.65	22204.99	27388.58
67	15	100S-500W	0-2	8-40317	0.96	26000.0	24419.44	1228.34	21838.81	27000.06
68	15	100S-500W	4-10	8-40318	1.10	24600.0	25476.02	1293.21	22759.10	28192.93
69	15	100S-500W	10-15	8-40319	0.97	23000.0	24494.91	1227.76	21915.49	27074.32
70	15	200S-600W	4-10	8-40320	1.18	27000.0	26079.78	1393.97	23151.18	29008.38

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
71	15	200S-700W	0-2	8-40321	0.89	24800.0	23891.15	1255.03	21254.45	26527.84
72	15	100S-700W	0-2	8-40322	0.86	25800.0	23664.73	1278.17	20979.42	26350.05
73	15	0N-600W	0-2	8-40323	0.93	24200.0	24193.03	1234.96	21598.49	26787.56
74	15	0N-600W	4-10	8-40324	1.02	25000.0	24872.26	1237.16	22273.10	27471.42

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L



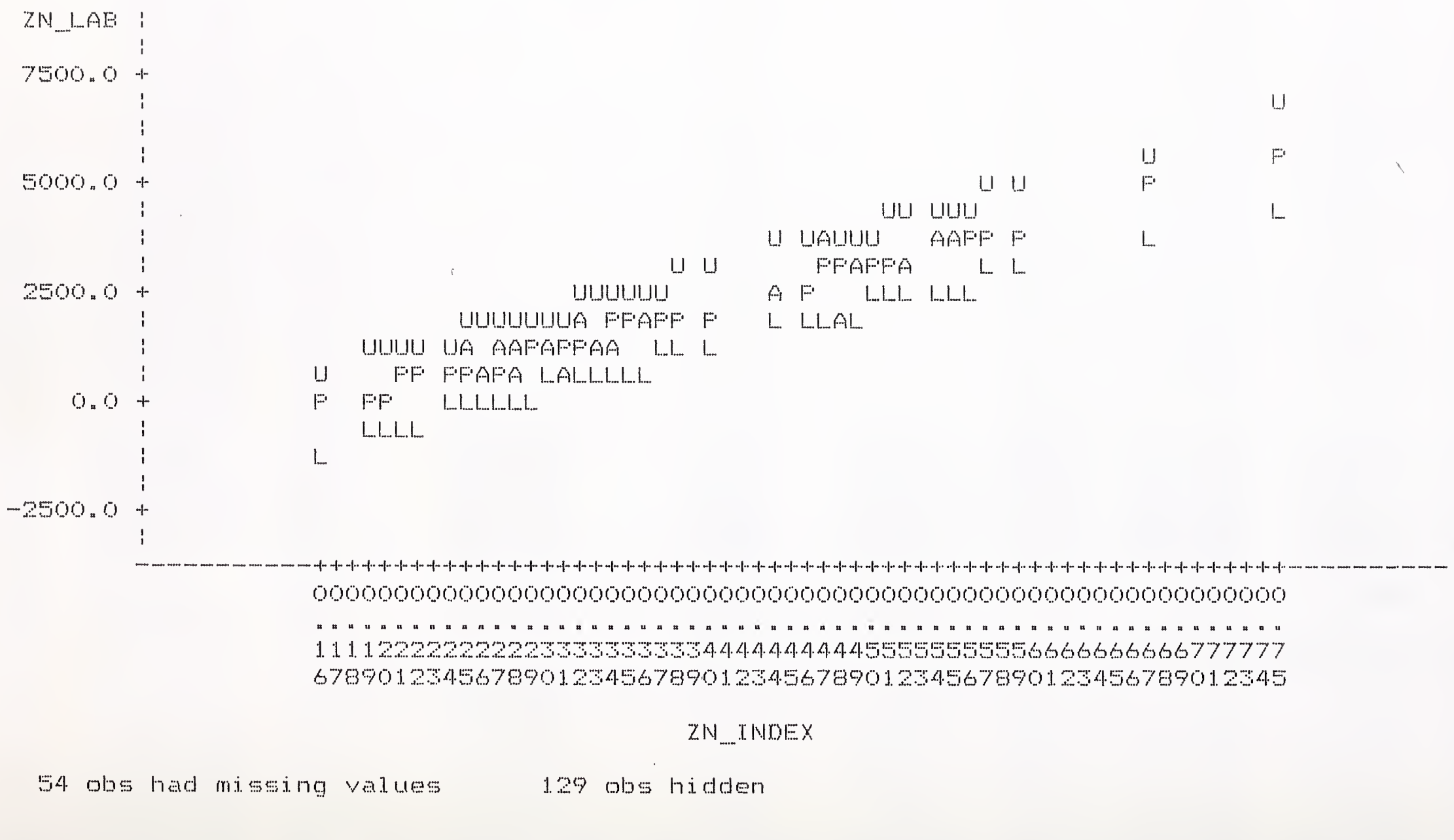
NOTE: 54 obs had missing values 168 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	15	ON-300E	0-2		0.31	.	1294.87	418.306	416.05	2173.70
2	15	ON-300E	2-4		0.36	.	1780.32	415.045	908.35	2652.29
3	15	ON-300E	4-10		0.35	.	1683.23	415.314	810.69	2555.77
4	15	ON-300E	10-15		0.19	.	129.81	444.755	-804.58	1064.19
5	15	ON-300E	15-20		0.16	.	-161.46	455.094	-1117.57	794.65
6	15	ON-300E	20-25		0.16	.	-161.46	455.094	-1117.57	794.65
7	15	ON-300E	25-29		0.19	.	129.81	444.755	-804.58	1064.19
8	15	ON-400E	0-2		0.32	.	1391.96	417.272	515.31	2268.61
9	15	ON-400E	4-10		0.33	.	1489.05	416.429	614.17	2363.93
10	15	ON-200E	0-2		0.57	.	3819.19	452.205	2869.15	4769.23
11	15	ON-200E	4-10		0.50	.	3139.57	431.177	2233.70	4045.43
12	15	ON-100E	0-2		0.52	.	3333.75	436.373	2416.96	4250.53
13	15	ON-100E	4-10		0.46	.	2751.21	422.867	1862.81	3639.61
14	15	ON-0W	0-2		0.51	.	3236.66	433.691	2325.51	4147.80
15	15	ON-0W	4-10		0.75	.	5566.79	536.863	4438.89	6694.70
16	15	ON-100W	0-2		0.67	.	4790.08	494.584	3751.01	5829.16
17	15	ON-100W	4-10		0.31	.	1294.87	418.306	416.05	2173.70
18	15	ON-200W	0-2		0.37	.	1877.41	414.968	1005.60	2749.22
19	15	ON-200W	4-10		0.33	.	1489.05	416.429	614.17	2363.93
20	15	ON-300W	0-2		0.40	.	2168.68	415.891	1294.93	3042.43
21	15	ON-300W	4-10		0.50	.	3139.57	431.177	2233.70	4045.43
22	15	ON-300W	10-15		0.59	.	4013.37	459.603	3047.78	4978.95
23	15	ON-400W	0-2		0.35	.	1683.23	415.314	810.69	2555.77
24	15	ON-400W	4-10		0.32	.	1391.96	417.272	515.31	2268.61
25	15	ON-500W	0-2		0.35	.	1683.23	415.314	810.69	2555.77
26	15	ON-500W	4-10		0.30	.	1197.79	419.527	316.40	2079.17
27	15	ON-600W	0-2		0.33	.	1489.05	416.429	614.17	2363.93
28	15	ON-600W	4-10		0.24	.	615.25	430.695	-289.60	1520.10
29	15	100S-400W	0-2		0.56	.	3722.10	448.727	2779.37	4664.84
30	15	100S-400W	4-10		0.51	.	3236.66	433.691	2325.51	4147.80
31	15	100S-500W	0-2		0.51	.	3236.66	433.691	2325.51	4147.80
32	15	100S-500W	4-10		0.28	.	1003.61	422.526	115.92	1891.30
33	15	100S-600W	0-2		0.52	.	3333.75	436.373	2416.96	4250.53
34	15	100S-600W	4-10		0.37	.	1877.41	414.968	1005.60	2749.22
35	15	100S-700W	0-2		0.32	.	1391.96	417.272	515.31	2268.61

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	15	100S-700W	4-10		0.22	.	421.07	435.824	-494.55	1336.70
37	15	100N-0W	0-2		0.30	.	1197.79	419.527	316.40	2079.17
38	15	100N-0W	4-10		0.34	.	1586.14	415.776	712.64	2459.65
39	15	100N-100E	0-2		0.32	.	1391.96	417.272	515.31	2268.61
40	15	100N-100E	4-10		0.44	.	2557.03	419.793	1675.09	3438.98
41	15	100N-300E	0-2		0.24	.	615.25	430.695	-289.60	1520.10
42	15	100N-100W	0-2		0.31	.	1294.87	418.306	416.05	2173.70
43	15	100N-300E	4-10		0.26	.	809.43	426.255	-86.09	1704.95
44	15	100N-200E	0-2		0.26	.	809.43	426.255	-86.09	1704.95
45	15	100N-200E	4-10		0.25	.	712.34	428.388	-187.66	1612.34
46	15	100N-200W	4-10		0.25	.	712.34	428.388	-187.66	1612.34
47	15	100N--100W	4-10		0.29	.	1100.70	420.934	216.35	1985.04
48	15	100N-200W	0-2		0.34	.	1586.14	415.776	712.64	2459.65
49	15	100N-300W	0-2		0.26	.	809.43	426.255	-86.09	1704.95
50	15	200S-500W	4-10		0.48	.	2945.39	426.668	2049.00	3841.78
51	15	200S-600W	0-2		0.38	.	1974.50	415.083	1102.45	2846.55
52	15	100N-300W	4-10		0.21	.	323.98	438.639	-597.56	1245.52
53	15	200S-700W	0-2		0.29	.	1100.70	420.934	216.35	1985.04
54	15	200S-700W	4-10		0.20	.	226.89	441.617	-700.90	1154.69
55	15	0N-400E	0-2	8-40301	0.33	1540.0	1489.05	416.429	614.17	2363.93
56	15	0N-200E	0-2	8-40302	0.47	3830.0	2848.30	424.677	1956.09	3740.51
57	15	100N-200E	0-2	8-40303	0.25	946.0	712.34	428.388	-187.66	1612.34
58	15	100N-100E	4-10	8-40304	0.26	831.0	809.43	426.255	-86.09	1704.95
59	15	0N-0E	0-2	8-40305	0.54	3910.0	3527.92	442.232	2598.83	4457.01
60	15	0N-0E	4-10	8-40306	0.52	3200.0	3333.75	436.373	2416.96	4250.53
61	15	0N-0E	10-15	8-40307	0.31	756.0	1294.87	418.306	416.05	2173.70
62	15	100N-100W	0-2	8-40308	0.30	1280.0	1197.79	419.527	316.40	2079.17
63	15	0N-200W	0-2	8-40309	0.32	1570.0	1391.96	417.272	515.31	2268.61
64	15	100N-300W	0-2	8-40314	0.28	861.0	1003.61	422.526	115.92	1891.30
65	15	0N-400W	0-2	8-40315	0.36	1730.0	1780.32	415.045	908.35	2652.29
66	15	100S-400W	0-2	8-40316	0.49	3310.0	3042.48	428.835	2141.53	3943.42
67	15	100S-500W	0-2	8-40317	0.44	2510.0	2557.03	419.793	1675.09	3438.98
68	15	100S-500W	4-10	8-40318	0.48	1890.0	2945.39	426.668	2049.00	3841.78
69	15	100S-500W	10-15	8-40319	0.26	905.0	809.43	426.255	-86.09	1704.95
70	15	200S-600W	4-10	8-40320	0.55	3450.0	3625.01	445.402	2689.26	4560.76

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
71	15	200S-700W	0-2	8-40321	0.28	945.0	1003.61	422.526	115.92	1891.30
72	15	100S-700W	0-2	8-40322	0.27	1220.0	906.52	424.301	15.10	1797.93
73	15	0N-600W	0-2	8-40323	0.33	1330.0	1489.05	416.429	614.17	2363.93
74	15	0N-600W	4-10	8-40324	0.34	1340.0	1586.14	415.776	712.64	2459.65

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L



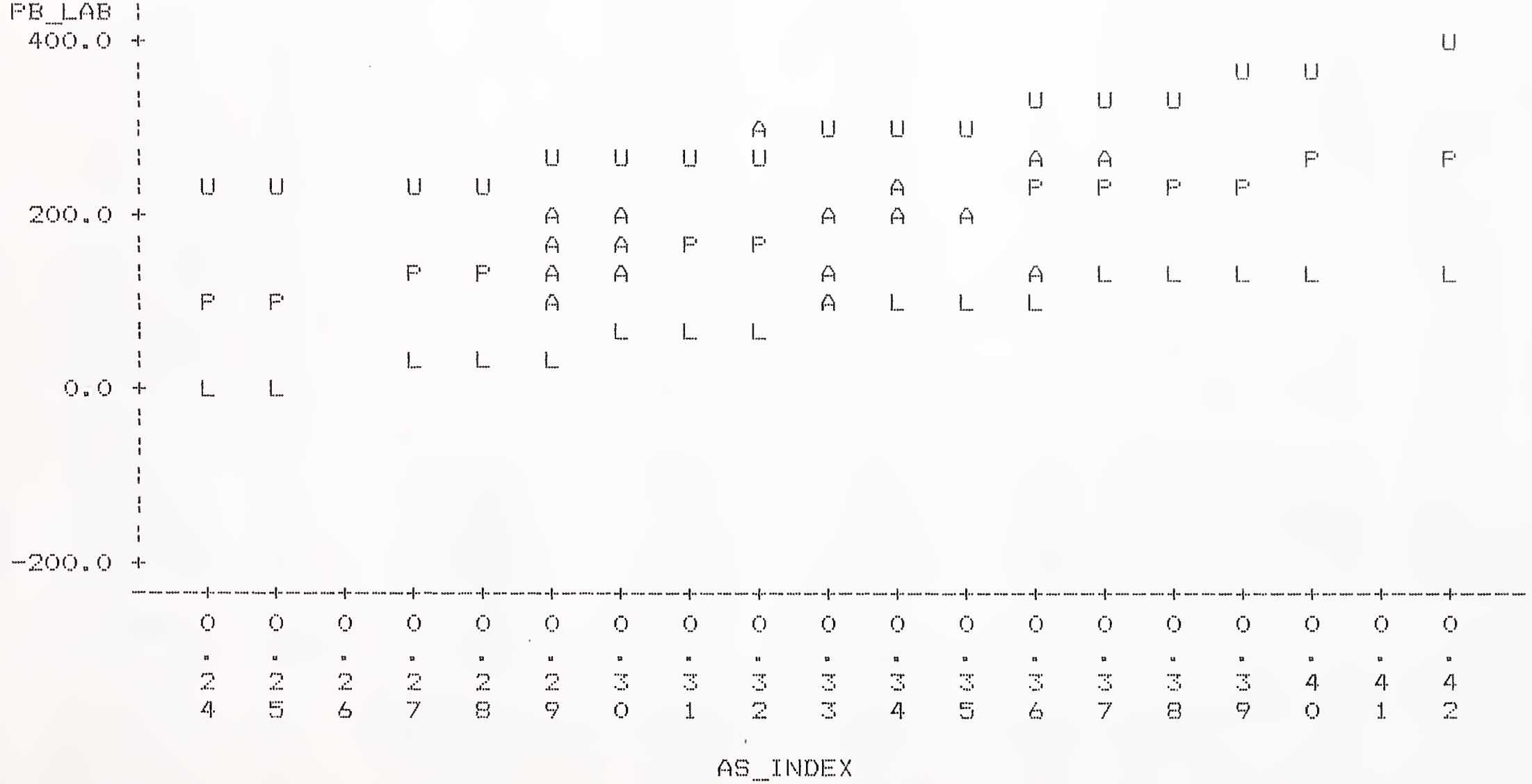
NOTE: 54 obs had missing values 129 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	15	ON-300E	0-2		0.52	0.28	.	142.009	49.3668	38.294	245.724
2	15	ON-300E	2-4		0.56	0.31	.	170.620	47.3593	71.123	270.118
3	15	ON-300E	4-10		0.54	0.30	.	161.083	47.7439	60.778	261.389
4	15	ON-300E	10-15		0.52	0.27	.	132.472	50.5775	26.213	238.731
5	15	ON-300E	15-20		0.48	0.25	.	113.398	53.7078	0.563	226.233
6	15	ON-300E	20-25		0.47	0.24	.	103.861	55.5875	-12.923	220.645
7	15	ON-300E	25-29		0.48	0.25	.	113.398	53.7078	0.563	226.233
8	15	ON-400E	0-2		0.59	0.33	.	189.694	47.4780	89.948	289.441
9	15	ON-400E	4-10		0.51	0.29	.	151.546	48.4171	49.827	253.266
10	15	ON-200E	0-2		0.57	0.31	.	170.620	47.3593	71.123	270.118
11	15	ON-200E	4-10		0.65	0.36	.	218.306	49.8207	113.637	322.974
12	15	ON-100E	0-2		0.64	0.36	.	218.306	49.8207	113.637	322.974
13	15	ON-100E	4-10		0.64	0.34	.	199.231	47.9791	98.432	300.031
14	15	ON-0W	0-2		0.56	0.33	.	189.694	47.4780	89.948	289.441
15	15	ON-0W	4-10		0.65	0.36	.	218.306	49.8207	113.637	322.974
16	15	ON-100W	0-2		0.58	0.33	.	189.694	47.4780	89.948	289.441
17	15	ON-100W	4-10		0.68	0.35	.	208.769	48.7645	106.319	311.218
18	15	ON-200W	0-2		0.64	0.33	.	189.694	47.4780	89.948	289.441
19	15	ON-200W	4-10		0.56	0.30	.	161.083	47.7439	60.778	261.389
20	15	ON-300W	0-2		0.57	0.30	.	161.083	47.7439	60.778	261.389
21	15	ON-300W	4-10		0.68	0.40	.	256.454	56.3917	137.980	374.927
22	15	ON-300W	10-15		0.70	0.39	.	246.917	54.4365	132.551	361.283
23	15	ON-400W	0-2		0.58	0.30	.	161.083	47.7439	60.778	261.389
24	15	ON-400W	4-10		0.62	0.36	.	218.306	49.8207	113.637	322.974
25	15	ON-500W	0-2		0.54	0.30	.	161.083	47.7439	60.778	261.389
26	15	ON-500W	4-10		0.59	0.33	.	189.694	47.4780	89.948	289.441
27	15	ON-600W	0-2		0.52	0.28	.	142.009	49.3668	38.294	245.724
28	15	ON-600W	4-10		0.55	0.30	.	161.083	47.7439	60.778	261.389
29	15	100S-400W	0-2		0.66	0.37	.	227.843	51.1309	120.421	335.264
30	15	100S-400W	4-10		0.73	0.42	.	275.528	60.8098	147.772	403.284
31	15	100S-500W	0-2		0.64	0.38	.	237.380	52.6762	126.712	348.047
32	15	100S-500W	4-10		0.68	0.35	.	208.769	48.7645	106.319	311.218
33	15	100S-600W	0-2		0.69	0.35	.	208.769	48.7645	106.319	311.218
34	15	100S-600W	4-10		0.66	0.39	.	246.917	54.4365	132.551	361.283
35	15	100S-700W	0-2		0.63	0.35	.	208.769	48.7645	106.319	311.218

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	15	100S-700W	4-10		0.55	0.30	.	161.083	47.7439	60.778	261.389
37	15	100N-0W	0-2		0.53	0.28	.	142.009	49.3668	38.294	245.724
38	15	100N-0W	4-10		0.62	0.34	.	199.231	47.9791	98.432	300.031
39	15	100N-100E	0-2		0.53	0.30	.	161.083	47.7439	60.778	261.389
40	15	100N-100E	4-10		0.65	0.36	.	218.306	49.8207	113.637	322.974
41	15	100N-300E	0-2		0.54	0.30	.	161.083	47.7439	60.778	261.389
42	15	100N-100W	0-2		0.53	0.30	.	161.083	47.7439	60.778	261.389
43	15	100N-300E	4-10		0.60	0.32	.	180.157	47.2701	80.847	279.467
44	15	100N-200E	0-2		0.49	0.28	.	142.009	49.3668	38.294	245.724
45	15	100N-200E	4-10		0.55	0.30	.	161.083	47.7439	60.778	261.389
46	15	100N-200W	4-10		0.55	0.30	.	161.083	47.7439	60.778	261.389
47	15	100N-100W	4-10		0.62	0.33	.	189.694	47.4780	89.948	289.441
48	15	100N-200W	0-2		0.56	0.30	.	161.083	47.7439	60.778	261.389
49	15	100N-300W	0-2		0.53	0.29	.	151.546	48.4171	49.827	253.266
50	15	200S-500W	4-10		0.66	0.36	.	218.306	49.8207	113.637	322.974
51	15	200S-600W	0-2		0.56	0.31	.	170.620	47.3593	71.123	270.118
52	15	100N-300W	4-10		0.53	0.28	.	142.009	49.3668	38.294	245.724
53	15	200S-700W	0-2		0.59	0.30	.	161.083	47.7439	60.778	261.389
54	15	200S-700W	4-10		0.61	0.32	.	180.157	47.2701	80.847	279.467
55	15	0N-400E	0-2	8-40301	0.56	0.29	184.0	151.546	48.4171	49.827	253.266
56	15	0N-200E	0-2	8-40302	0.63	0.34	212.0	199.231	47.9791	98.432	300.031
57	15	100N-200E	0-2	8-40303	0.51	0.29	110.0	151.546	48.4171	49.827	253.266
58	15	100N-100E	4-10	8-40304	0.56	0.29	136.0	151.546	48.4171	49.827	253.266
59	15	0N-0E	0-2	8-40305	0.59	0.33	188.0	189.694	47.4780	89.948	289.441
60	15	0N-0E	4-10	8-40306	0.65	0.35	203.0	208.769	48.7645	106.319	311.218
61	15	0N-0E	10-15	8-40307	0.67	0.36	145.0	218.306	49.8207	113.637	322.974
62	15	100N-100W	0-2	8-40308	0.54	0.29	160.0	151.546	48.4171	49.827	253.266
63	15	0N-200W	0-2	8-40309	0.53	0.29	142.0	151.546	48.4171	49.827	253.266
64	15	100N-300W	0-2	8-40314	0.59	0.30	148.0	161.083	47.7439	60.778	261.389
65	15	0N-400W	0-2	8-40315	0.56	0.30	158.0	161.083	47.7439	60.778	261.389
66	15	100S-400W	0-2	8-40316	0.60	0.34	229.0	199.231	47.9791	98.432	300.031
67	15	100S-500W	0-2	8-40317	0.60	0.32	288.0	180.157	47.2701	80.847	279.467
68	15	100S-500W	4-10	8-40318	0.67	0.37	253.0	227.843	51.1309	120.421	335.264
69	15	100S-500W	10-15	8-40319	0.63	0.33	90.0	189.694	47.4780	89.948	289.441
70	15	200S-600W	4-10	8-40320	0.65	0.36	272.0	218.306	49.8207	113.637	322.974

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
71	15	200S-700W	0-2	8-40321	0.55	0.29	136.0	151.546	48.4171	49.827	253.266
72	15	100S-700W	0-2	8-40322	0.55	0.29	176.0	151.546	48.4171	49.827	253.266
73	15	0N-600W	0-2	8-40323	0.57	0.30	188.0	161.083	47.7439	60.778	261.389
74	15	0N-600W	4-10	8-40324	0.61	0.33	147.0	189.694	47.4780	89.948	289.441

Plot of PB_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

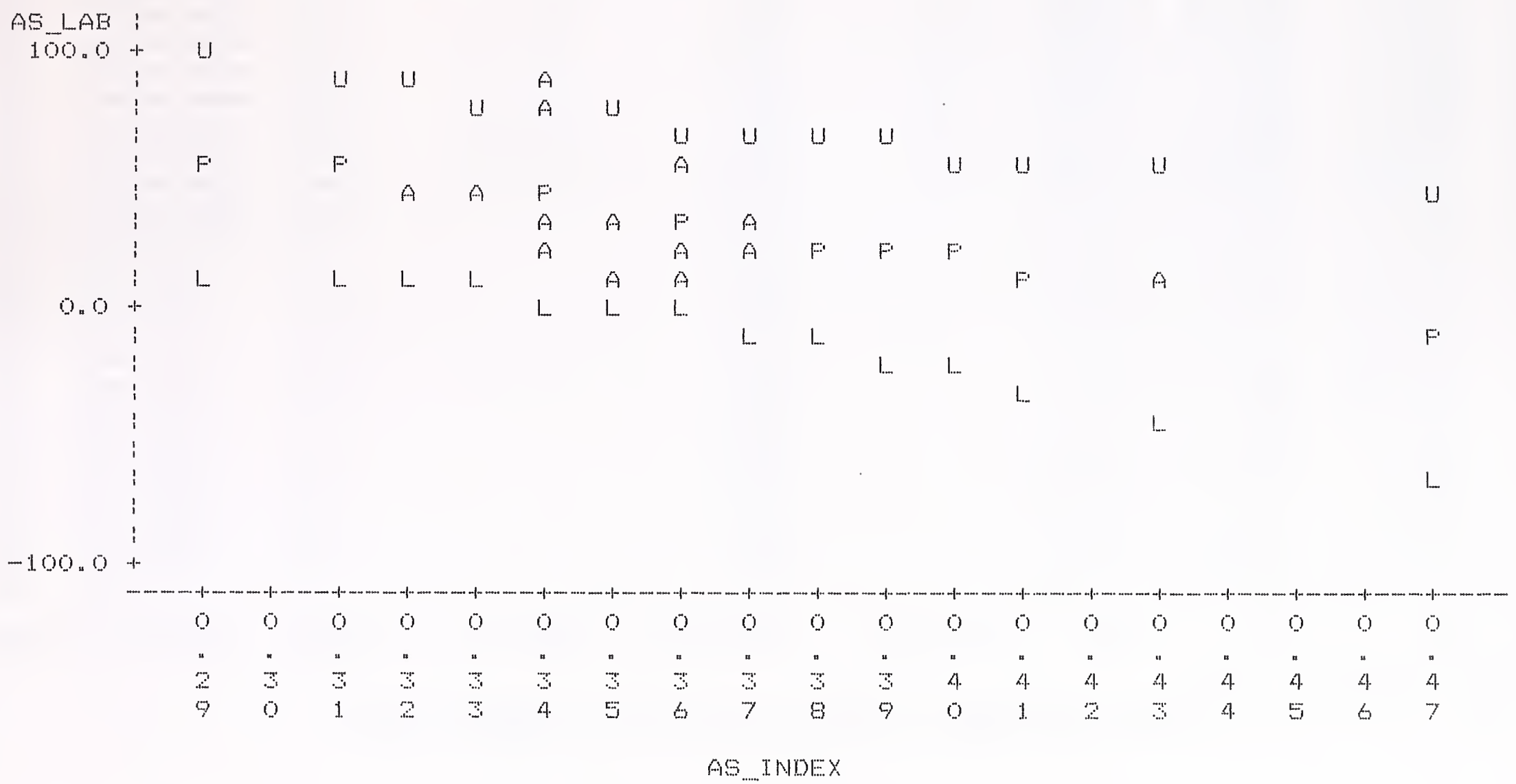


NOTE: 54 obs had missing values 180 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	22	ON-0W	0-2		0.32	.	47.4394	18.4820	8.6105	86.268
2	22	ON-100W	0-2		0.37	.	29.0711	17.8592	-8.4495	66.592
3	22	ON-200W	0-2		0.34	.	40.0921	17.7321	2.8387	77.345
4	22	ON-300W	0-2		0.39	.	21.7238	18.7655	-17.7009	61.148
5	22	ON-400W	0-2		0.33	.	43.7657	18.0274	5.8918	81.640
6	22	ON-500W	0-2		0.40	.	18.0501	19.4369	-22.7850	58.885
7	22	ON-700W	0-2		0.36	.	32.7448	17.6468	-4.3295	69.819
8	22	ON-700W	2-12		0.35	.	36.4184	17.6040	-0.5659	73.403
9	22	ON-700W	12-18		0.29	.	58.4604	20.6781	15.0176	101.903
10	22	ON-700W	18-24		0.36	.	32.7448	17.6468	-4.3295	69.819
11	22	ON-700W	24-30		0.33	.	43.7657	18.0274	5.8918	81.640
12	22	ON-900W	0-2		0.39	.	21.7238	18.7655	-17.7009	61.148
13	22	100N-800W	2-4		0.38	.	25.3974	18.2354	-12.9135	63.708
14	22	100N-600W	0-2		0.47	.	-7.6655	26.9503	-64.2855	48.955
15	22	100N-400W	0-2		0.31	.	51.1130	19.0844	11.0184	91.208
16	22	100N-200W	4-8		0.36	.	32.7448	17.6468	-4.3295	69.819
17	22	100N-0W	0-2		0.41	.	14.3765	20.2356	-28.1366	56.890
18	22	200N-500W	0-2		0.37	.	29.0711	17.8592	-8.4495	66.592
19	22	200N-700W	0-2		0.38	.	25.3974	18.2354	-12.9135	63.708
20	22	200N-900W	0-2		0.38	.	25.3974	18.2354	-12.9135	63.708
21	22	100N-100W	0-2		0.38	.	25.3974	18.2354	-12.9135	63.708
22	22	300N-1000W	3-36		0.37	.	29.0711	17.8592	-8.4495	66.592
23	22	300N-800W	0-2		0.39	.	21.7238	18.7655	-17.7009	61.148
24	22	300N-600W	0-2		0.39	.	21.7238	18.7655	-17.7009	61.148
25	22	300N-500W	0-2		0.39	.	21.7238	18.7655	-17.7009	61.148
26	22	ON-0W	0-2	8-40451	0.43	16.1	7.0292	22.1574	-39.5215	53.580
27	22	ON-100W	6-10	8-40453	0.32	43.2	47.4394	18.4820	8.6105	86.268
28	22	ON-200W	0-2	8-40455	0.36	20.2	32.7448	17.6468	-4.3295	69.819
29	22	ON-300W	6-10	8-40456	0.36	14.4	32.7448	17.6468	-4.3295	69.819
30	22	ON-400W	0-2	8-40457	0.34	33.1	40.0921	17.7321	2.8387	77.345
31	22	ON-500W	0-2	8-40458	0.34	25.3	40.0921	17.7321	2.8387	77.345
32	22	ON-700W	0-2	8-40459	0.37	23.9	29.0711	17.8592	-8.4495	66.592
33	22	ON-900W	0-2	8-40460	0.35	34.7	36.4184	17.6040	-0.5659	73.403
34	22	100N-1000W	6-10	8-40461	0.34	36.7	40.0921	17.7321	2.8387	77.345
35	22	100N-800W	0-2	8-40462	0.36	26.9	32.7448	17.6468	-4.3295	69.819

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	22	100N-600W	6-10	8-40463	0.35	10.6	36.4184	17.6040	-0.5659	73.403
37	22	100N-400W	0-2	8-40464	0.36	27.0	32.7448	17.6468	-4.3295	69.819
38	22	100N-200W	0-2	8-40465	0.35	31.6	36.4184	17.6040	-0.5659	73.403
39	22	100N-0W	0-2	8-40466	0.37	28.8	29.0711	17.8592	-8.4495	66.592
40	22	200N-500W	0-2	8-40467	0.33	43.5	43.7657	18.0274	5.8918	81.640
41	22	200N-700W	0-2	8-40468	0.35	38.4	36.4184	17.6040	-0.5659	73.403
42	22	200N-900W	0-2	8-40469	0.33	42.4	43.7657	18.0274	5.8918	81.640
43	22	300N-800W	0-2	8-40470	0.36	52.7	32.7448	17.6468	-4.3295	69.819
44	22	300N-600W	0-2	8-40471	0.34	83.4	40.0921	17.7321	2.8387	77.345
45	22	300N-500W	6-10	8-40472	0.34	77.1	40.0921	17.7321	2.8387	77.345

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

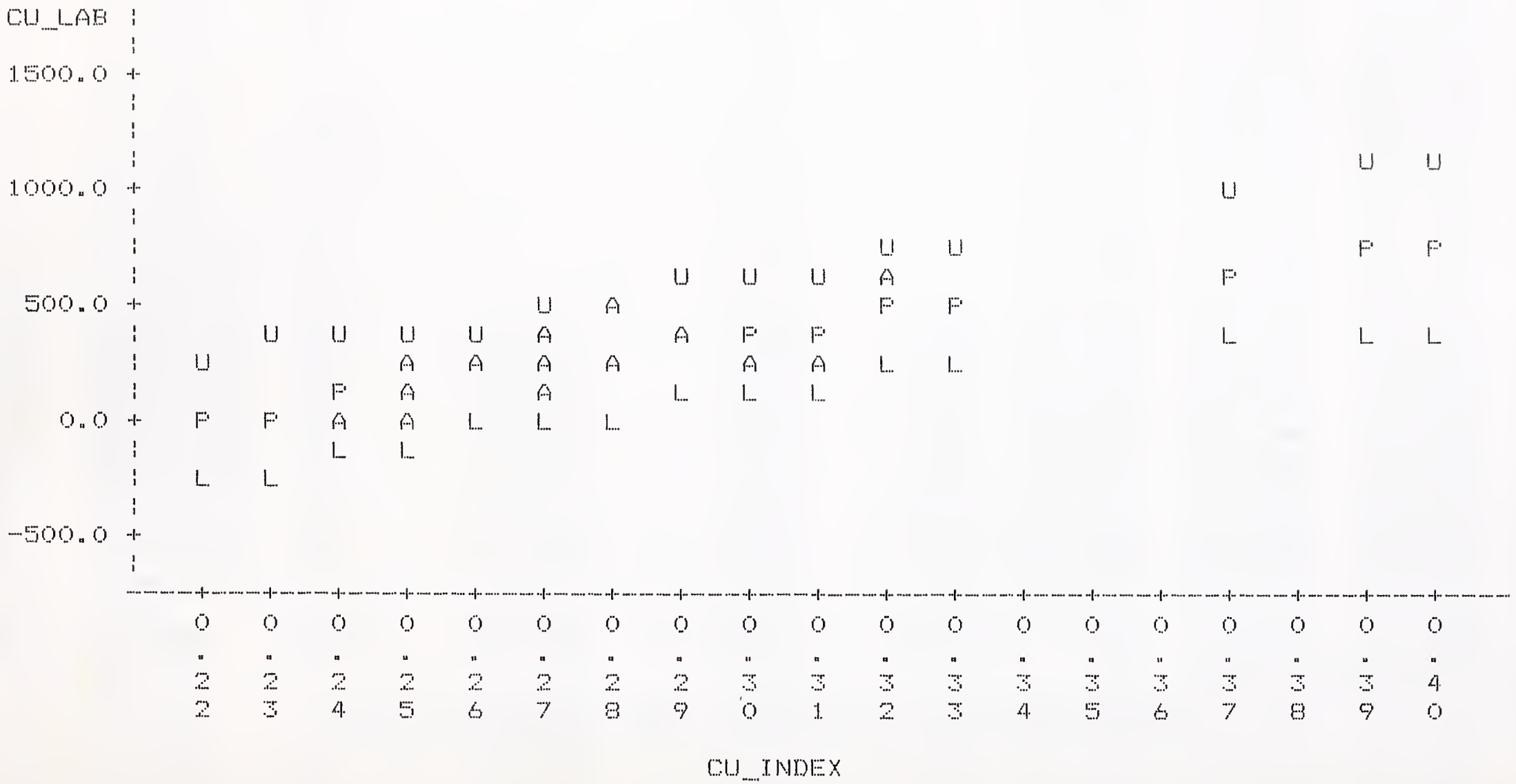


NOTE: 25 obs had missing values 105 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	22	ON-0W	0-2		0.24	.	104.112	121.893	-151.974	360.20
2	22	ON-100W	0-2		0.25	.	147.636	118.310	-100.923	396.19
3	22	ON-200W	0-2		0.27	.	234.683	114.381	-5.620	474.99
4	22	ON-300W	0-2		0.25	.	147.636	118.310	-100.923	396.19
5	22	ON-400W	0-2		0.27	.	234.683	114.381	-5.620	474.99
6	22	ON-500W	0-2		0.28	.	278.207	114.145	38.398	518.02
7	22	ON-700W	0-2		0.26	.	191.159	115.783	-52.090	434.41
8	22	ON-700W	2-12		0.22	.	17.064	131.855	-259.951	294.08
9	22	ON-700W	12-18		0.23	.	60.588	126.441	-205.053	326.23
10	22	ON-700W	18-24		0.26	.	191.159	115.783	-52.090	434.41
11	22	ON-700W	24-30		0.25	.	147.636	118.310	-100.923	396.19
12	22	ON-900W	0-2		0.29	.	321.731	115.084	79.950	563.51
13	22	100N-800W	2-4		0.25	.	147.636	118.310	-100.923	396.19
14	22	100N-600W	0-2		0.29	.	321.731	115.084	79.950	563.51
15	22	100N-400W	0-2		0.26	.	191.159	115.783	-52.090	434.41
16	22	100N-200W	4-8		0.32	.	452.303	124.512	190.714	713.89
17	22	100N-0W	0-2		0.29	.	321.731	115.084	79.950	563.51
18	22	200N-500W	0-2		0.33	.	495.826	129.592	223.566	768.09
19	22	200N-700W	0-2		0.30	.	365.255	117.168	119.096	611.41
20	22	200N-900W	0-2		0.31	.	408.779	120.338	155.959	661.60
21	22	100N-100W	0-2		0.32	.	452.303	124.512	190.714	713.89
22	22	300N-1000W	3-36		0.24	.	104.112	121.893	-151.974	360.20
23	22	300N-800W	0-2		0.39	.	756.970	173.742	391.954	1121.99
24	22	300N-600W	0-2		0.40	.	800.493	182.646	416.771	1184.22
25	22	300N-500W	0-2		0.37	.	669.922	156.992	340.096	999.75
26	22	ON-0W	0-2	8-40451	0.31	252.0	408.779	120.338	155.959	661.60
27	22	ON-100W	6-10	8-40453	0.26	246.0	191.159	115.783	-52.090	434.41
28	22	ON-200W	0-2	8-40455	0.25	177.0	147.636	118.310	-100.923	396.19
29	22	ON-300W	6-10	8-40456	0.24	57.0	104.112	121.893	-151.974	360.20
30	22	ON-400W	0-2	8-40457	0.27	236.0	234.683	114.381	-5.620	474.99
31	22	ON-500W	0-2	8-40458	0.25	193.0	147.636	118.310	-100.923	396.19
32	22	ON-700W	0-2	8-40459	0.27	109.0	234.683	114.381	-5.620	474.99
33	22	ON-900W	0-2	8-40460	0.30	232.0	365.255	117.168	119.096	611.41
34	22	100N-1000W	6-10	8-40461	0.27	210.0	234.683	114.381	-5.620	474.99
35	22	100N-800W	0-2	8-40462	0.31	217.0	408.779	120.338	155.959	661.60

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	22	100N-600W	6-10	8-40463	0.25	28.0	147.636	118.310	-100.923	396.19
37	22	100N-400W	0-2	8-40464	0.27	177.0	234.683	114.381	-5.620	474.99
38	22	100N-200W	0-2	8-40465	0.28	310.0	278.207	114.145	38.398	518.02
39	22	100N-0W	0-2	8-40466	0.27	257.0	234.683	114.381	-5.620	474.99
40	22	200N-500W	0-2	8-40467	0.27	315.0	234.683	114.381	-5.620	474.99
41	22	200N-700W	0-2	8-40468	0.29	353.0	321.731	115.084	79.950	563.51
42	22	200N-900W	0-2	8-40469	0.28	474.0	278.207	114.145	38.398	518.02
43	22	300N-800W	0-2	8-40470	0.29	380.0	321.731	115.084	79.950	563.51
44	22	300N-600W	0-2	8-40471	0.32	652.0	452.303	124.512	190.714	713.89
45	22	300N-500W	6-10	8-40472	0.29	428.0	321.731	115.084	79.950	563.51

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

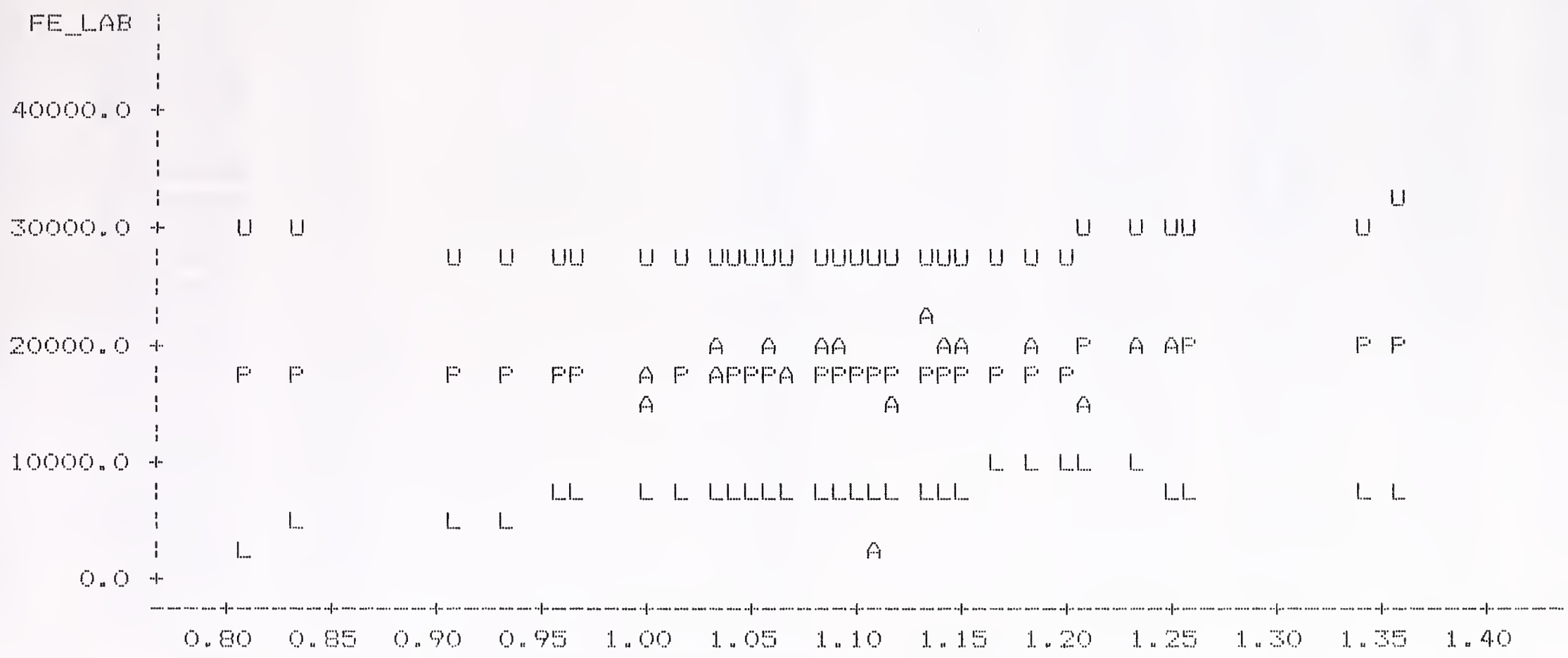


NOTE: 25 obs had missing values 102 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	22	0N-0W	0-2		1.02	.	17625.05	4749.88	7645.99	27604.11
2	22	0N-100W	0-2		0.97	.	17320.31	4963.07	6893.36	27747.27
3	22	0N-200W	0-2		1.06	.	17868.84	4639.89	8120.85	27616.82
4	22	0N-300W	0-2		1.10	.	18112.63	4588.06	8473.53	27751.73
5	22	0N-400W	0-2		1.04	.	17746.94	4687.82	7898.26	27595.62
6	22	0N-500W	0-2		1.06	.	17868.84	4639.89	8120.85	27616.82
7	22	0N-700W	0-2		1.10	.	18112.63	4588.06	8473.53	27751.73
8	22	0N-700W	2-12		1.20	.	18722.10	4720.24	8805.32	28638.88
9	22	0N-700W	12-18		1.36	.	19697.25	5608.71	7913.86	31480.65
10	22	0N-700W	18-24		1.18	.	18600.20	4664.47	8800.57	28399.84
11	22	0N-700W	24-30		1.34	.	19575.36	5461.26	8101.76	31048.96
12	22	0N-900W	0-2		0.91	.	16954.63	5316.07	5786.05	28123.21
13	22	100N-800W	2-4		0.81	.	16345.16	6089.39	3551.91	29138.41
14	22	100N-600W	0-2		0.93	.	17076.52	5187.72	6177.59	27975.45
15	22	100N-400W	0-2		0.96	.	17259.37	5015.00	6723.32	27795.41
16	22	100N-200W	4-8		1.02	.	17625.05	4749.88	7645.99	27604.11
17	22	100N-0W	0-2		1.06	.	17868.84	4639.89	8120.85	27616.82
18	22	200N-500W	0-2		1.26	.	19087.78	4968.13	8650.20	29525.37
19	22	200N-700W	0-2		1.23	.	18904.94	4829.65	8758.29	29051.59
20	22	200N-900W	0-2		1.10	.	18112.63	4588.06	8473.53	27751.73
21	22	100N-100W	0-2		1.05	.	17807.89	4662.06	8013.33	27602.45
22	22	300N-1000W	3-36		0.83	.	16467.05	5919.41	4030.92	28903.19
23	22	300N-800W	0-2		1.07	.	17929.78	4621.37	8220.72	27638.85
24	22	300N-600W	0-2		1.17	.	18539.26	4641.94	8786.96	28291.56
25	22	300N-500W	0-2		1.17	.	18539.26	4641.94	8786.96	28291.56
26	22	0N-0W	0-2	8-40451	1.07	17800.0	17929.78	4621.37	8220.72	27638.85
27	22	0N-100W	6-10	8-40453	1.23	20600.0	18904.94	4829.65	8758.29	29051.59
28	22	0N-200W	0-2	8-40455	1.18	20800.0	18600.20	4664.47	8800.57	28399.84
29	22	0N-300W	6-10	8-40456	1.25	21200.0	19026.83	4918.88	8692.71	29360.95
30	22	0N-400W	0-2	8-40457	1.07	18400.0	17929.78	4621.37	8220.72	27638.85
31	22	0N-500W	0-2	8-40458	1.25	20000.0	19026.83	4918.88	8692.71	29360.95
32	22	0N-700W	0-2	8-40459	1.12	14200.0	18234.52	4584.66	8602.56	27866.48
33	22	0N-900W	0-2	8-40460	1.00	18200.0	17503.15	4825.52	7365.17	27641.13
34	22	100N-1000W	6-10	8-40461	1.21	14400.0	18783.05	4753.34	8796.71	28769.38
35	22	100N-800W	0-2	8-40462	1.08	19600.0	17990.73	4606.53	8312.83	27668.63

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	22	100N-600W	6-10	8-40463	1.15	19200.0	18417.36	4607.85	8736.69	28098.03
37	22	100N-400W	0-2	8-40464	1.03	17800.0	17686.00	4717.12	7775.77	27596.22
38	22	100N-200W	0-2	8-40465	1.14	20000.0	18356.42	4596.37	8699.87	28012.96
39	22	100N-0W	0-2	8-40466	1.09	21100.0	18051.68	4595.42	8397.12	27706.24
40	22	200N-500W	0-2	8-40467	1.03	20800.0	17686.00	4717.12	7775.77	27596.22
41	22	200N-700W	0-2	8-40468	1.09	20600.0	18051.68	4595.42	8397.12	27706.24
42	22	200N-900W	0-2	8-40469	1.06	19800.0	17868.84	4639.89	8120.85	27616.82
43	22	300N-800W	0-2	8-40470	1.00	16200.0	17503.15	4825.52	7365.17	27641.13
44	22	300N-600W	0-2	8-40471	1.11	1920.0	18173.57	4584.47	8542.01	27805.13
45	22	300N-500W	6-10	8-40472	1.13	21400.0	18295.47	4588.63	8655.18	27935.76

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

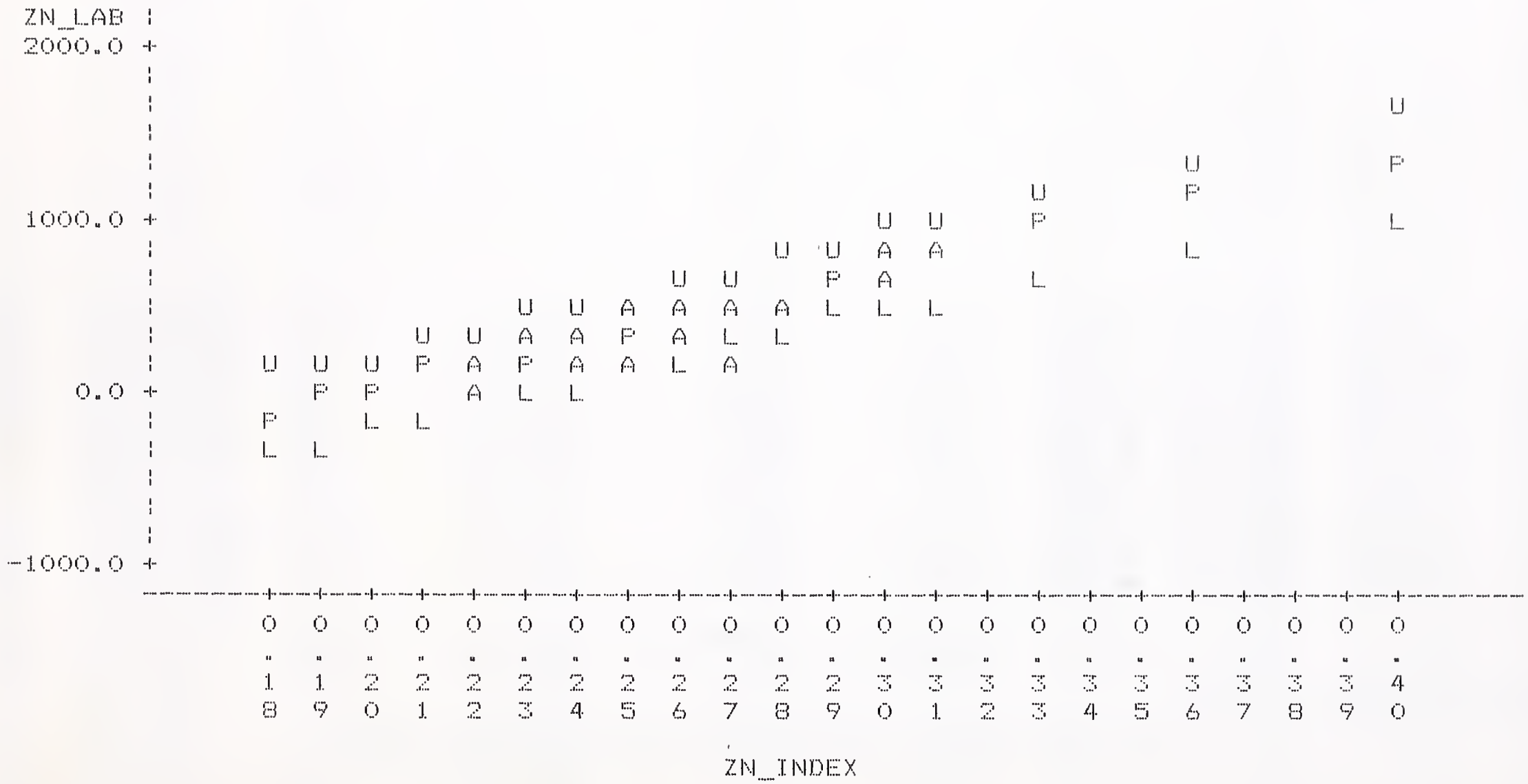


NOTE: 25 obs had missing values 53 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	22	ON-0W	0-2		0.21	.	84.53	106.648	-139.53	308.59
2	22	ON-100W	0-2		0.22	.	153.89	104.423	-65.50	373.27
3	22	ON-200W	0-2		0.20	.	15.17	109.402	-214.67	245.01
4	22	ON-300W	0-2		0.24	.	292.60	101.688	78.97	506.24
5	22	ON-400W	0-2		0.26	.	431.32	101.380	218.33	644.31
6	22	ON-500W	0-2		0.25	.	361.96	101.225	149.30	574.62
7	22	ON-700W	0-2		0.22	.	153.89	104.423	-65.50	373.27
8	22	ON-700W	2-12		0.21	.	84.53	106.648	-139.53	308.59
9	22	ON-700W	12-18		0.18	.	-123.55	116.338	-367.96	120.87
10	22	ON-700W	18-24		0.20	.	15.17	109.402	-214.67	245.01
11	22	ON-700W	24-30		0.19	.	-54.19	112.646	-290.85	182.47
12	22	ON-900W	0-2		0.28	.	570.03	103.519	352.55	787.52
13	22	100N-800W	2-4		0.26	.	431.32	101.380	218.33	644.31
14	22	100N-600W	0-2		0.27	.	500.68	102.149	286.07	715.28
15	22	100N-400W	0-2		0.21	.	84.53	106.648	-139.53	308.59
16	22	100N-200W	4-8		0.28	.	570.03	103.519	352.55	787.52
17	22	100N-0W	0-2		0.24	.	292.60	101.688	78.97	506.24
18	22	200N-500W	0-2		0.29	.	639.39	105.467	417.82	860.97
19	22	200N-700W	0-2		0.29	.	639.39	105.467	417.82	860.97
20	22	200N-900W	0-2		0.27	.	500.68	102.149	286.07	715.28
21	22	100N-100W	0-2		0.31	.	778.11	110.965	544.98	1011.24
22	22	300N-1000W	3-36		0.20	.	15.17	109.402	-214.67	245.01
23	22	300N-800W	0-2		0.33	.	916.82	118.340	668.20	1165.45
24	22	300N-600W	0-2		0.40	.	1402.33	154.495	1077.75	1726.91
25	22	300N-500W	0-2		0.36	.	1124.90	132.214	847.13	1402.67
26	22	ON-0W	0-2	8-40451	0.27	226.0	500.68	102.149	286.07	715.28
27	22	ON-100W	6-10	8-40453	0.22	186.0	153.89	104.423	-65.50	373.27
28	22	ON-200W	0-2	8-40455	0.22	206.0	153.89	104.423	-65.50	373.27
29	22	ON-300W	6-10	8-40456	0.22	138.0	153.89	104.423	-65.50	373.27
30	22	ON-400W	0-2	8-40457	0.25	460.0	361.96	101.225	149.30	574.62
31	22	ON-500W	0-2	8-40458	0.23	284.0	223.24	102.760	7.36	439.13
32	22	ON-700W	0-2	8-40459	0.22	245.0	153.89	104.423	-65.50	373.27
33	22	ON-900W	0-2	8-40460	0.30	689.0	708.75	107.962	481.93	935.57
34	22	100N-1000W	6-10	8-40461	0.25	229.0	361.96	101.225	149.30	574.62
35	22	100N-800W	0-2	8-40462	0.28	522.0	570.03	103.519	352.55	787.52

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	22	100N-600W	6-10	8-40463	0.22	70.0	153.89	104.423	-65.50	373.27
37	22	100N-400W	0-2	8-40464	0.24	278.0	292.60	101.688	78.97	506.24
38	22	100N-200W	0-2	8-40465	0.26	393.0	431.32	101.380	218.33	644.31
39	22	100N-0W	0-2	8-40466	0.24	213.0	292.60	101.688	78.97	506.24
40	22	200N-500W	0-2	8-40467	0.25	465.0	361.96	101.225	149.30	574.62
41	22	200N-700W	0-2	8-40468	0.26	444.0	431.32	101.380	218.33	644.31
42	22	200N-900W	0-2	8-40469	0.27	504.0	500.68	102.149	286.07	715.28
43	22	300N-800W	0-2	8-40470	0.30	860.0	708.75	107.962	481.93	935.57
44	22	300N-600W	0-2	8-40471	0.31	837.0	778.11	110.965	544.98	1011.24
45	22	300N-500W	6-10	8-40472	0.24	337.0	292.60	101.688	78.97	506.24

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

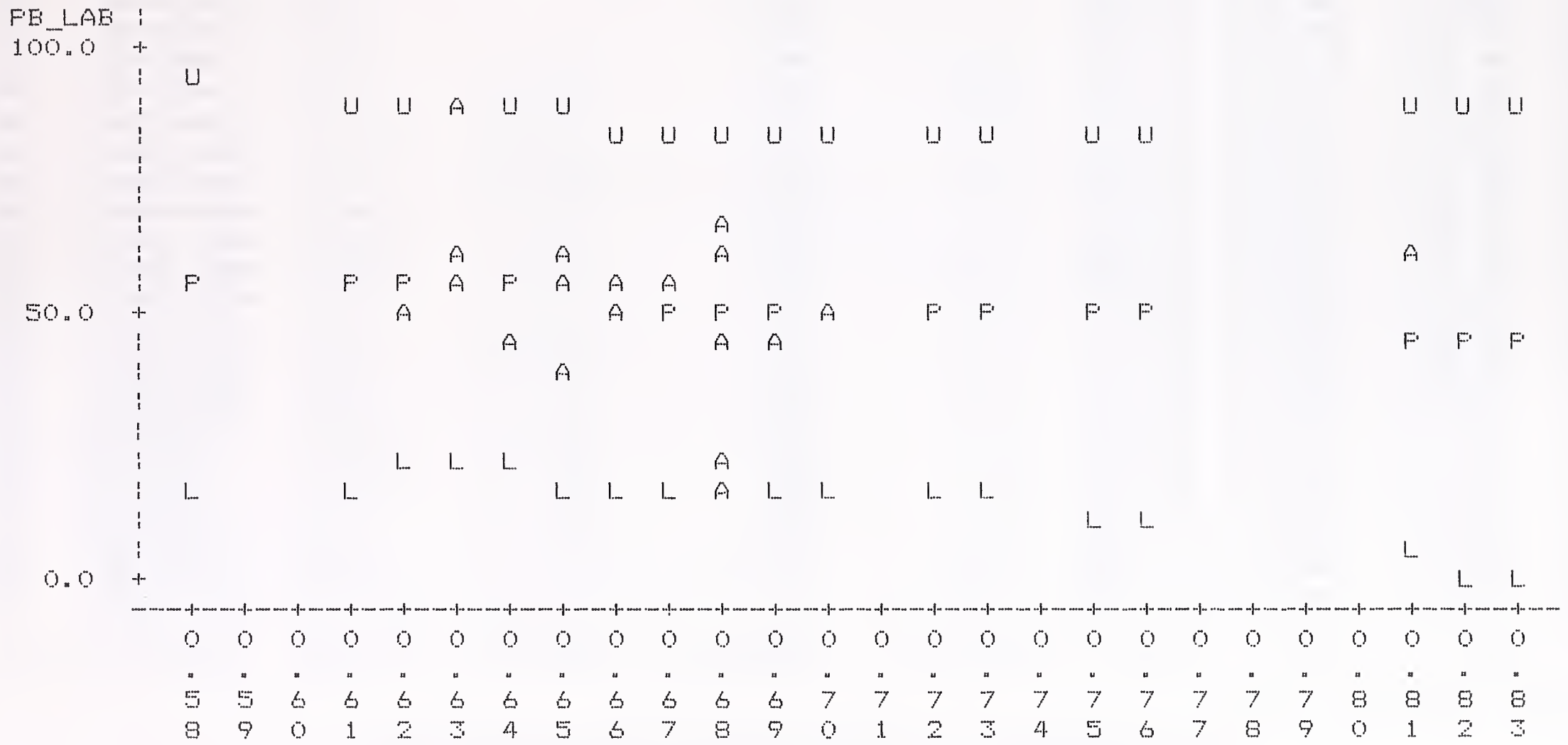


NOTE: 25 obs had missing values 99 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	22	ON-0W	0-2		0.64	.	53.2301	16.0730	19.4622	86.9980
2	22	ON-100W	0-2		0.66	.	52.3961	15.8895	19.0137	85.7786
3	22	ON-200W	0-2		0.67	.	51.9792	15.8682	18.6415	85.3168
4	22	ON-300W	0-2		0.73	.	49.4772	16.7128	14.3651	84.5893
5	22	ON-400W	0-2		0.64	.	53.2301	16.0730	19.4622	86.9980
6	22	ON-500W	0-2		0.82	.	45.7243	20.5450	2.5611	88.8874
7	22	ON-700W	0-2		0.68	.	51.5622	15.8942	18.1698	84.9545
8	22	ON-700W	2-12		0.65	.	52.8131	15.9580	19.2869	86.3394
9	22	ON-700W	12-18		0.61	.	54.4811	16.6858	19.4258	89.5365
10	22	ON-700W	18-24		0.65	.	52.8131	15.9580	19.2869	86.3394
11	22	ON-700W	24-30		0.68	.	51.5622	15.8942	18.1698	84.9545
12	22	ON-900W	0-2		0.76	.	48.2262	17.7025	11.0349	85.4175
13	22	100N-800W	2-4		0.70	.	50.7282	16.0870	16.9308	84.5255
14	22	100N-600W	0-2		0.83	.	45.3073	21.1064	0.9646	89.6499
15	22	100N-400W	0-2		0.58	.	55.7321	17.6642	18.6212	92.8430
16	22	100N-200W	4-8		0.65	.	52.8131	15.9580	19.2869	86.3394
17	22	100N-0W	0-2		0.75	.	48.6432	17.3355	12.2228	85.0636
18	22	200N-500W	0-2		0.69	.	51.1452	15.9674	17.5991	84.6912
19	22	200N-700W	0-2		0.69	.	51.1452	15.9674	17.5991	84.6912
20	22	200N-900W	0-2		0.72	.	49.8942	16.4612	15.3106	84.4778
21	22	100N-100W	0-2		0.73	.	49.4772	16.7128	14.3651	84.5893
22	22	300N-1000W	3-36		0.68	.	51.5622	15.8942	18.1698	84.9545
23	22	300N-800W	0-2		0.69	.	51.1452	15.9674	17.5991	84.6912
24	22	300N-600W	0-2		0.73	.	49.4772	16.7128	14.3651	84.5893
25	22	300N-500W	0-2		0.76	.	48.2262	17.7025	11.0349	85.4175
26	22	ON-0W	0-2	8-40451	0.81	61.0	46.1412	20.0055	4.1116	88.1709
27	22	ON-100W	6-10	8-40453	0.62	52.0	54.0641	16.4384	19.5286	88.5997
28	22	ON-200W	0-2	8-40455	0.69	45.0	51.1452	15.9674	17.5991	84.6912
29	22	ON-300W	6-10	8-40456	0.68	23.0	51.5622	15.8942	18.1698	84.9545
30	22	ON-400W	0-2	8-40457	0.65	56.0	52.8131	15.9580	19.2869	86.3394
31	22	ON-500W	0-2	8-40458	0.64	46.0	53.2301	16.0730	19.4622	86.9980
32	22	ON-700W	0-2	8-40459	0.70	51.0	50.7282	16.0870	16.9308	84.5255
33	22	ON-900W	0-2	8-40460	0.66	49.0	52.3961	15.8895	19.0137	85.7786
34	22	100N-1000W	6-10	8-40461	0.65	40.0	52.8131	15.9580	19.2869	86.3394
35	22	100N-800W	0-2	8-40462	0.70	51.0	50.7282	16.0870	16.9308	84.5255

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	22	100N-600W	6-10	8-40463	0.68	17.0	51.5622	15.8942	18.1698	84.9545
37	22	100N-400W	0-2	8-40464	0.68	42.0	51.5622	15.8942	18.1698	84.9545
38	22	100N-200W	0-2	8-40465	0.67	57.0	51.9792	15.8682	18.6415	85.3168
39	22	100N-0W	0-2	8-40466	0.68	59.0	51.5622	15.8942	18.1698	84.9545
40	22	200N-500W	0-2	8-40467	0.65	59.0	52.8131	15.9580	19.2869	86.3394
41	22	200N-700W	0-2	8-40468	0.66	58.0	52.3961	15.8895	19.0137	85.7786
42	22	200N-900W	0-2	8-40469	0.63	62.0	53.6471	16.2336	19.5419	87.7524
43	22	300N-800W	0-2	8-40470	0.68	67.0	51.5622	15.8942	18.1698	84.9545
44	22	300N-600W	0-2	8-40471	0.63	89.0	53.6471	16.2336	19.5419	87.7524
45	22	300N-500W	6-10	8-40472	0.63	56.0	53.6471	16.2336	19.5419	87.7524

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L

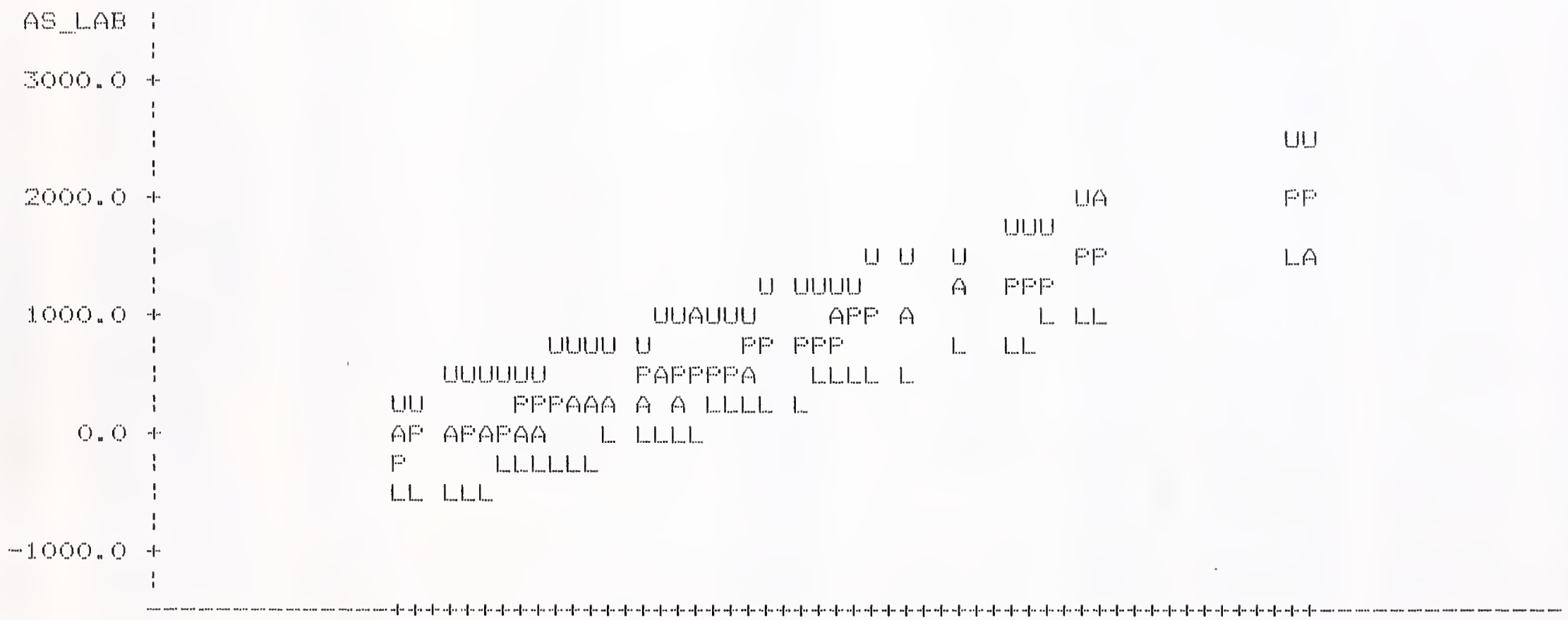


NOTE: 25 obs had missing values 88 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	24	0S-0W	0-2		0.41	.	341.93	208.590	-96.30	780.16
2	24	0S-0W	2-6		0.47	.	581.72	207.897	144.95	1018.49
3	24	65S-0W	0-2		0.38	.	222.04	209.731	-218.59	662.67
4	24	65S-0W	0-2		0.38	.	222.04	209.731	-218.59	662.67
5	24	65S-0W	8-12		0.58	.	1021.32	212.130	575.66	1466.99
6	24	65S-0W	12-18		0.35	.	102.15	211.393	-341.97	546.26
7	24	80S-100W	0-2		0.46	.	541.75	207.864	105.05	978.46
8	24	80S-100W	6-10		0.37	.	182.08	210.228	-259.59	623.75
9	24	150S-0W	0-2		0.55	.	901.43	210.281	459.65	1343.21
10	24	150S-0W	11-15		0.34	.	62.18	212.060	-383.34	507.70
11	24	200S-100W	0-2		0.47	.	581.72	207.897	144.95	1018.49
12	24	200S-100W	10-13		0.69	.	1460.93	223.077	992.27	1929.59
13	24	200S-100W	13-16		0.45	.	501.79	207.891	65.03	938.55
14	24	200S-100W	36-42		0.30	.	-97.67	215.282	-549.96	354.61
15	24	200S-200W	0-2		0.64	.	1261.11	217.319	804.54	1717.68
16	24	200S-195W	0-3/16		0.65	.	1301.07	218.370	842.30	1759.85
17	24	100S-200W	0-2		0.33	.	22.22	212.783	-424.82	469.26
18	24	0S-100W	0-2		0.40	.	301.97	208.912	-136.94	740.87
19	24	0S-200W	0-2		0.66	.	1341.04	219.471	879.95	1802.13
20	24	0S-300W	0-2		0.49	.	661.65	208.140	224.36	1098.93
21	24	0S-400W	0-2		0.52	.	781.54	208.947	342.56	1220.52
22	24	0S-400W	7-9		0.45	.	501.79	207.891	65.03	938.55
23	24	0S-400W	11-14		0.37	.	182.08	210.228	-259.59	623.75
24	24	0S-500W	0-2		0.47	.	581.72	207.897	144.95	1018.49
25	24	0S-600W	5-10		0.50	.	701.61	208.350	263.89	1139.33
26	24	100S-600W	0-2		0.53	.	821.50	209.334	381.71	1261.29
27	24	100S-600W	2-10		0.48	.	621.68	207.989	184.72	1058.65
28	24	100S-600W	10-20		0.68	.	1420.97	221.826	954.93	1887.00
29	24	100S-600W	30-36		0.41	.	341.93	208.590	-96.30	780.16
30	24	150S-600W	0-2		0.49	.	661.65	208.140	224.36	1098.93
31	24	150S-500W	4-8		0.54	.	861.47	209.778	420.74	1302.19
32	24	150S-500W	12-14		0.80	.	1900.54	239.819	1396.70	2404.37
33	24	150S-500W	14-17		0.41	.	341.93	208.590	-96.30	780.16
34	24	100S-400W	0-4		0.46	.	541.75	207.864	105.05	978.46
35	24	100S-400W	6-10		0.56	.	941.40	210.840	498.44	1384.35

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	24	100S-500W	4-8		0.49	.	661.65	208.140	224.36	1098.93
37	24	170S-400W	0-2		0.47	.	581.72	207.897	144.95	1018.49
38	24	170S-400W	9-12		0.46	.	541.75	207.864	105.05	978.46
39	24	200S-300W	0-2		0.47	.	581.72	207.897	144.95	1018.49
40	24	100S-300W	0-2		0.52	.	781.54	208.947	342.56	1220.52
41	24	0S-200W	0-2	8-40499	0.81	1620.0	1940.50	241.590	1432.94	2448.06
42	24	0S-100W	0-2	8-25025	0.45	320.0	501.79	207.891	65.03	938.55
43	24	65S-0W	0-2	8-25026	0.43	290.0	421.86	208.122	-15.38	859.11
44	24	150S-0W	0-2	8-25027	0.49	520.0	661.65	208.140	224.36	1098.93
45	24	150S-0W	9-11	8-39838	0.54	900.0	861.47	209.778	420.74	1302.19
46	24	150S-0W	11-13	8-39839	0.32	38.2	-17.75	213.562	-466.42	430.93
47	24	200S-100W	0-2	8-39840	0.49	520.0	661.65	208.140	224.36	1098.93
48	24	200S-100W	10-13	8-39841	0.69	1950.0	1460.93	223.077	992.27	1929.59
49	24	100S-200W	0-2	8-39842	0.29	120.0	-137.64	216.223	-591.90	316.63
50	24	100S-300W	0-2	8-39843	0.44	470.0	461.82	207.977	24.88	898.76
51	24	200S-300W	0-2	8-39845	0.41	140.0	341.93	208.590	-96.30	780.16
52	24	100S-400W	0-4	8-39847	0.37	110.0	182.08	210.228	-259.59	623.75
53	24	0S-400W	0-2	8-39848	0.39	290.0	262.00	209.293	-177.70	701.71
54	24	0S-400W	7-9	8-39849	0.36	62.8	142.11	210.782	-300.72	584.94
55	24	0S-400W	11-14	8-39850	0.32	14.6	-17.75	213.562	-466.42	430.93
56	24	0S-600W	5-10	8-39895	0.46	920.0	541.75	207.864	105.05	978.46
57	24	150S-600W	0-2	8-39896	0.40	160.0	301.97	208.912	-136.94	740.87
58	24	150S-500W	12-14	8-39899	0.61	1280.0	1141.22	214.481	690.61	1591.82
59	24	150S-500W	14-17	8-39900	0.34	39.5	62.18	212.060	-383.34	507.70
60	24	200S-195W	0-3/16	8-25045	0.58	1030.0	1021.32	212.130	575.66	1466.99

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

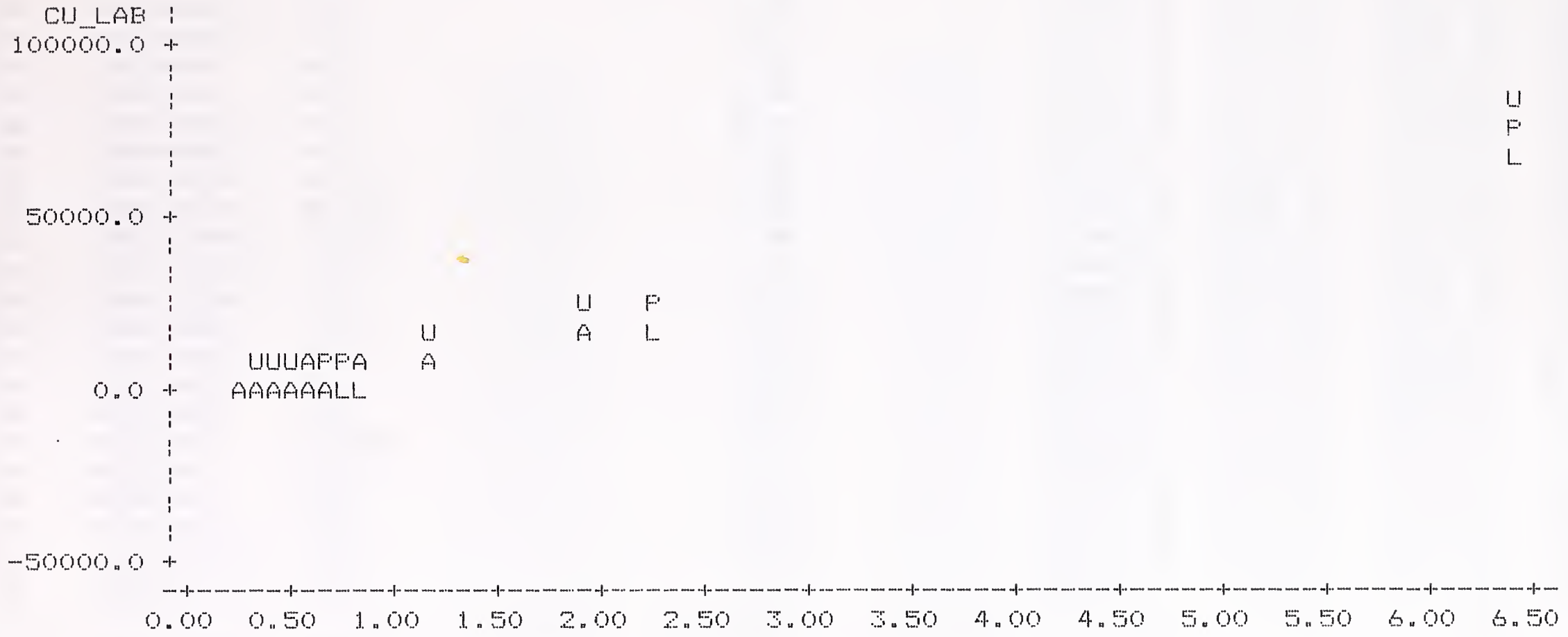


NOTE: 40 obs had missing values 91 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	24	0S-0W	0-2		0.37	.	1263.82	1429.06	-1738.51	4266.15
2	24	0S-0W	2-6		0.49	.	2685.84	1422.18	-302.02	5673.70
3	24	65S-0W	0-2		0.27	.	78.80	1439.83	-2946.15	3103.75
4	24	65S-0W	0-2		0.30	.	434.31	1436.13	-2582.86	3451.47
5	24	65S-0W	8-12		0.40	.	1619.32	1426.72	-1378.09	4616.73
6	24	65S-0W	12-18		0.72	.	5411.38	1427.61	2412.11	8410.65
7	24	80S-100W	0-2		0.42	.	1856.33	1425.39	-1138.28	4850.94
8	24	80S-100W	6-10		0.26	.	-39.70	1441.15	-3067.43	2988.03
9	24	150S-0W	0-2		0.45	.	2211.83	1423.73	-779.30	5202.97
10	24	150S-0W	11-15		0.61	.	4107.86	1421.95	1120.47	7095.25
11	24	200S-100W	0-2		0.42	.	1856.33	1425.39	-1138.28	4850.94
12	24	200S-100W	10-13		0.38	.	1382.32	1428.24	-1618.28	4382.91
13	24	200S-100W	13-16		0.60	.	3989.36	1421.72	1002.46	6976.25
14	24	200S-100W	36-42		0.35	.	1026.81	1430.85	-1979.28	4032.91
15	24	200S-200W	0-2		0.51	.	2922.84	1421.67	-63.96	5909.65
16	24	200S-195W	0-3/16		6.42	.	72957.38	4972.82	62509.94	83404.82
17	24	100S-200W	0-2		0.38	.	1382.32	1428.24	-1618.28	4382.91
18	24	0S-100W	0-2		0.41	.	1737.82	1426.03	-1258.14	4733.79
19	24	0S-200W	0-2		0.68	.	4937.37	1424.91	1943.78	7930.97
20	24	0S-300W	0-2		0.52	.	3041.34	1421.49	54.92	6027.77
21	24	0S-400W	0-2		0.39	.	1500.82	1427.46	-1498.13	4499.77
22	24	0S-400W	7-9		2.28	.	23897.65	1996.48	19703.23	28092.08
23	24	0S-400W	11-14		0.41	.	1737.82	1426.03	-1258.14	4733.79
24	24	0S-500W	0-2		0.44	.	2093.33	1424.24	-898.87	5085.53
25	24	0S-600W	5-10		0.38	.	1382.32	1428.24	-1618.28	4382.91
26	24	100S-600W	0-2		0.65	.	4581.87	1423.36	1591.51	7572.22
27	24	100S-600W	2-10		0.42	.	1856.33	1425.39	-1138.28	4850.94
28	24	100S-600W	10-20		0.52	.	3041.34	1421.49	54.92	6027.77
29	24	100S-600W	30-36		0.76	.	5885.39	1431.04	2878.90	8891.88
30	24	150S-600W	0-2		0.61	.	4107.86	1421.95	1120.47	7095.25
31	24	150S-500W	4-8		0.45	.	2211.83	1423.73	-779.30	5202.97
32	24	150S-500W	12-14		0.75	.	5766.88	1430.12	2762.34	8771.43
33	24	150S-500W	14-17		0.73	.	5529.88	1428.40	2528.95	8530.82
34	24	100S-400W	0-4		0.62	.	4226.36	1422.24	1238.37	7214.35
35	24	100S-400W	6-10		0.46	.	2330.33	1423.27	-659.84	5320.50

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	24	100S-500W	4-8		0.57	.	3633.85	1421.28	647.87	6619.84
37	24	170S-400W	0-2		0.43	.	1974.83	1424.79	-1018.53	4968.18
38	24	170S-400W	9-12		0.48	.	2567.34	1422.50	-421.20	5555.87
39	24	200S-300W	0-2		0.58	.	3752.35	1421.38	766.16	6738.55
40	24	100S-300W	0-2		0.48	.	2567.34	1422.50	-421.20	5555.87
41	24	0S-200W	0-2	8-40499	0.67	2070.0	4818.87	1424.35	1826.45	7811.29
42	24	0S-100W	0-2	8-25025	0.51	1630.0	2922.84	1421.67	-63.96	5909.65
43	24	65S-0W	0-2	8-25026	0.32	916.0	671.31	1433.88	-2341.14	3683.76
44	24	150S-0W	0-2	8-25027	0.48	1320.0	2567.34	1422.50	-421.20	5555.87
45	24	150S-0W	9-11	8-39838	0.56	2980.0	3515.35	1421.23	529.47	6501.23
46	24	150S-0W	11-13	8-39839	0.58	6660.0	3752.35	1421.38	766.16	6738.55
47	24	200S-100W	0-2	8-39840	0.37	863.0	1263.82	1429.06	-1738.51	4266.15
48	24	200S-100W	10-13	8-39841	0.39	1010.0	1500.82	1427.46	-1498.13	4499.77
49	24	100S-200W	0-2	8-39842	0.27	1510.0	78.80	1439.83	-2946.15	3103.75
50	24	100S-300W	0-2	8-39843	0.34	897.0	908.31	1431.82	-2099.81	3916.43
51	24	200S-300W	0-2	8-39845	0.43	1020.0	1974.83	1424.79	-1018.53	4968.18
52	24	100S-400W	0-4	8-39847	0.52	2540.0	3041.34	1421.49	54.92	6027.77
53	24	0S-400W	0-2	8-39848	0.39	2010.0	1500.82	1427.46	-1498.13	4499.77
54	24	0S-400W	7-9	8-39849	1.17	10900.0	10743.96	1506.75	7578.41	13909.51
55	24	0S-400W	11-14	8-39850	0.23	138.0	-395.21	1445.39	-3431.84	2641.43
56	24	0S-600W	5-10	8-39895	0.29	1270.0	315.80	1437.32	-2703.86	3335.47
57	24	150S-600W	0-2	8-39896	0.38	887.0	1382.32	1428.24	-1618.28	4382.91
58	24	150S-500W	12-14	8-39899	0.38	664.0	1382.32	1428.24	-1618.28	4382.91
59	24	150S-500W	14-17	8-39900	0.87	10200.0	7188.91	1444.22	4154.73	10223.09
60	24	200S-195W	0-3/16	8-25045	1.93	19400.0	19750.09	1808.16	15951.32	23548.86

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

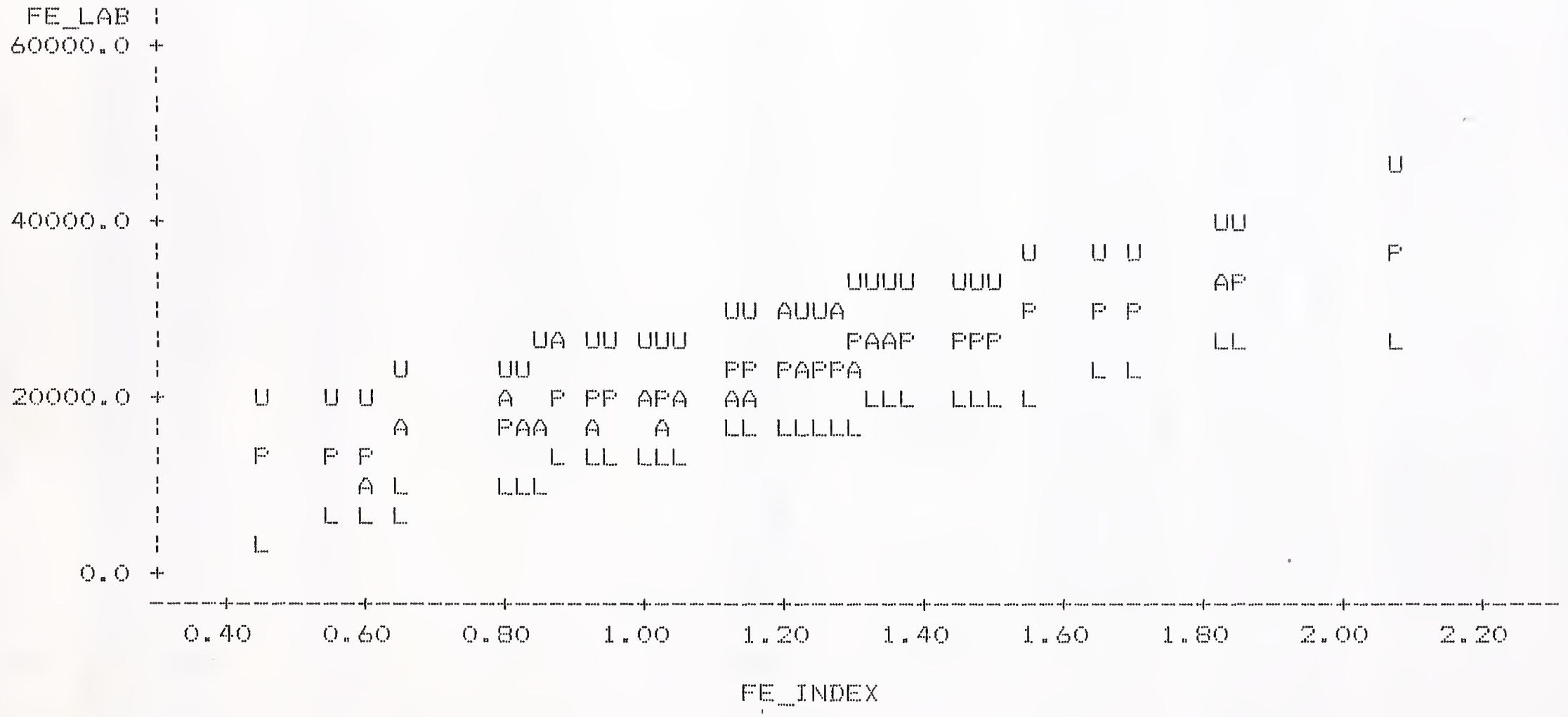


NOTE: 40 obs had missing values 176 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	24	0S-0W	0-2		1.25	.	24170.61	3218.92	17407.94	30933.27
2	24	0S-0W	2-6		1.28	.	24616.82	3229.95	17831.00	31402.64
3	24	65S-0W	0-2		0.54	.	13610.20	3461.40	6338.13	20882.28
4	24	65S-0W	0-2		0.46	.	12420.30	3544.15	4974.37	19866.23
5	24	65S-0W	8-12		1.20	.	23426.91	3204.39	16694.78	30159.05
6	24	65S-0W	12-18		1.01	.	20600.89	3193.75	13891.11	27310.68
7	24	80S-100W	0-2		1.12	.	22237.01	3191.26	15532.46	28941.56
8	24	80S-100W	6-10		0.66	.	15395.06	3355.97	8344.48	22445.64
9	24	150S-0W	0-2		1.38	.	26104.20	3278.90	19215.53	32992.87
10	24	150S-0W	11-15		1.03	.	20898.37	3191.53	14193.26	27603.48
11	24	200S-100W	0-2		1.14	.	22534.49	3193.37	15825.51	29243.46
12	24	200S-100W	10-13		1.47	.	27442.84	3338.48	20429.00	34456.68
13	24	200S-100W	13-16		1.28	.	24616.82	3229.95	17831.00	31402.64
14	24	200S-100W	36-42		0.96	.	19857.20	3202.74	13128.53	26585.87
15	24	200S-200W	0-2		1.30	.	24914.30	3238.24	18111.04	31717.55
16	24	200S-195W	0-3/16		2.08	.	36515.86	4062.17	27981.61	45050.11
17	24	100S-200W	0-2		0.64	.	15097.58	3371.91	8013.52	22181.65
18	24	0S-100W	0-2		0.95	.	19708.46	3205.13	12974.78	26442.14
19	24	0S-200W	0-2		1.69	.	30715.08	3540.87	23276.03	38154.13
20	24	0S-300W	0-2		0.80	.	17477.39	3263.86	10620.33	24334.46
21	24	0S-400W	0-2		0.92	.	19262.25	3213.44	12511.10	26013.39
22	24	0S-400W	7-9		1.27	.	24468.08	3226.08	17690.38	31245.78
23	24	0S-400W	11-14		1.01	.	20600.89	3193.75	13891.11	27310.68
24	24	0S-500W	0-2		1.15	.	22683.22	3194.72	15971.41	29395.03
25	24	0S-600W	5-10		0.88	.	18667.30	3227.22	11887.21	25447.39
26	24	100S-600W	0-2		0.93	.	19410.99	3210.48	12666.07	26155.90
27	24	100S-600W	2-10		0.93	.	19410.99	3210.48	12666.07	26155.90
28	24	100S-600W	10-20		1.22	.	23724.39	3209.63	16981.26	30467.52
29	24	100S-600W	30-36		1.16	.	22831.96	3196.26	16116.91	29547.02
30	24	150S-600W	0-2		1.54	.	28484.01	3394.48	21352.52	35615.49
31	24	150S-500W	4-8		1.14	.	22534.49	3193.37	15825.51	29243.46
32	24	150S-500W	12-14		1.86	.	33243.63	3745.72	25374.22	41113.03
33	24	150S-500W	14-17		1.14	.	22534.49	3193.37	15825.51	29243.46
34	24	100S-400W	0-4		1.46	.	27294.10	3331.16	20295.65	34292.56
35	24	100S-400W	6-10		1.22	.	23724.39	3209.63	16981.26	30467.52

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	24	100S-500W	4-8		1.14	.	22534.49	3193.37	15825.51	29243.46
37	24	170S-400W	0-2		0.93	.	19410.99	3210.48	12666.07	26155.90
38	24	170S-400W	9-12		1.65	.	30120.13	3498.48	22770.13	37470.12
39	24	200S-300W	0-2		1.49	.	27740.32	3353.64	20694.64	34786.00
40	24	100S-300W	0-2		1.06	.	21344.58	3189.67	14643.38	28045.78
41	24	0S-200W	0-2	8-40499	1.83	32200.0	32797.41	3706.83	25009.70	40585.12
42	24	0S-100W	0-2	8-25025	1.12	19600.0	22237.01	3191.26	15532.46	28941.56
43	24	65S-0W	0-2	8-25026	0.59	11400.0	14353.89	3414.64	7180.04	21527.75
44	24	150S-0W	0-2	8-25027	1.23	21800.0	23873.13	3212.53	17123.90	30622.36
45	24	150S-0W	9-11	8-39838	1.21	29000.0	23575.65	3206.91	16838.23	30313.08
46	24	150S-0W	11-13	8-39839	0.80	20600.0	17477.39	3263.86	10620.33	24334.46
47	24	200S-100W	0-2	8-39840	1.05	19600.0	21195.84	3190.09	14493.75	27897.93
48	24	200S-100W	10-13	8-39841	1.28	29800.0	24616.82	3229.95	17831.00	31402.64
49	24	100S-200W	0-2	8-39842	0.64	18200.0	15097.58	3371.91	8013.52	22181.65
50	24	100S-300W	0-2	8-39843	0.93	17800.0	19410.99	3210.48	12666.07	26155.90
51	24	200S-300W	0-2	8-39845	1.33	25800.0	25360.51	3252.10	18528.15	32192.87
52	24	100S-400W	0-4	8-39847	1.12	21000.0	22237.01	3191.26	15532.46	28941.56
53	24	0S-400W	0-2	8-39848	0.82	16400.0	17774.87	3253.58	10939.40	24610.34
54	24	0S-400W	7-9	8-39849	1.01	18400.0	20600.89	3193.75	13891.11	27310.68
55	24	0S-400W	11-14	8-39850	0.85	16200.0	18221.08	3239.55	11415.08	25027.09
56	24	0S-600W	5-10	8-39895	0.88	25400.0	18667.30	3227.22	11887.21	25447.39
57	24	150S-600W	0-2	8-39896	1.15	20400.0	22683.22	3194.72	15971.41	29395.03
58	24	150S-500W	12-14	8-39899	1.35	26000.0	25657.99	3262.27	18804.26	32511.71
59	24	150S-500W	14-17	8-39900	1.03	17800.0	20898.37	3191.53	14193.26	27603.48
60	24	200S-195W	0-3/16	8-25045	1.31	24400.0	25063.03	3242.67	18250.47	31875.60

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is F
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

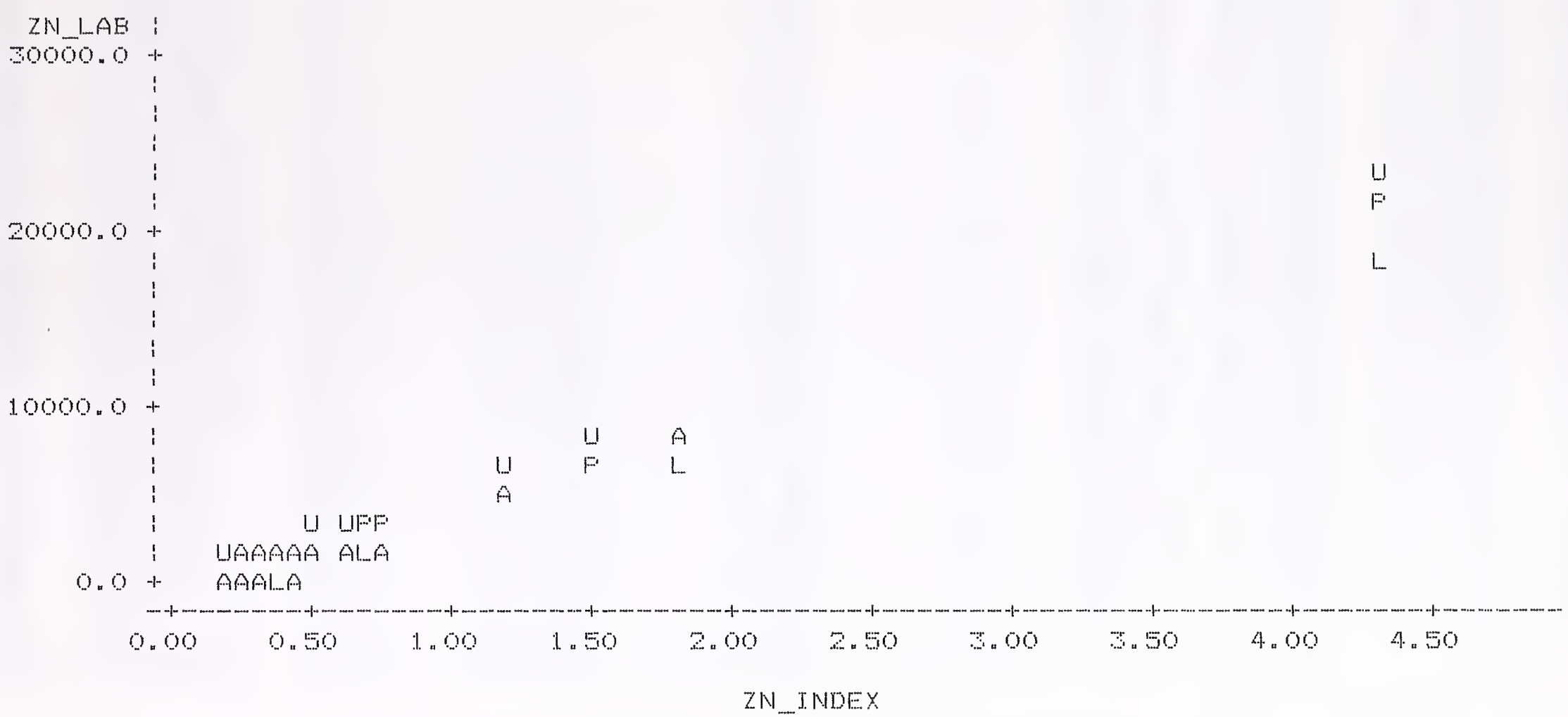


NOTE: 40 obs had missing values 96 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	24	0S-0W	0-2		0.38	.	1150.28	345.149	425.15	1875.40
2	24	0S-0W	2-6		0.51	.	1797.40	344.226	1074.21	2520.59
3	24	65S-0W	0-2		0.24	.	453.37	348.521	-278.84	1185.58
4	24	65S-0W	0-2		0.27	.	602.71	347.594	-127.55	1332.97
5	24	65S-0W	8-12		0.39	.	1200.06	345.002	475.24	1924.87
6	24	65S-0W	12-18		0.51	.	1797.40	344.226	1074.21	2520.59
7	24	80S-100W	0-2		0.43	.	1399.17	344.541	675.32	2123.02
8	24	80S-100W	6-10		0.26	.	552.93	347.891	-177.95	1283.82
9	24	150S-0W	0-2		0.39	.	1200.06	345.002	475.24	1924.87
10	24	150S-0W	11-15		0.50	.	1747.62	344.221	1024.45	2470.80
11	24	200S-100W	0-2		0.39	.	1200.06	345.002	475.24	1924.87
12	24	200S-100W	10-13		0.36	.	1050.72	345.481	324.89	1776.54
13	24	200S-100W	13-16		0.51	.	1797.40	344.226	1074.21	2520.59
14	24	200S-100W	36-42		0.32	.	851.60	346.295	124.07	1579.14
15	24	200S-200W	0-2		0.47	.	1598.29	344.282	874.98	2321.59
16	24	200S-195W	0-3/16		4.34	.	20862.68	873.504	19027.52	22697.83
17	24	100S-200W	0-2		0.31	.	801.83	346.530	73.80	1529.85
18	24	0S-100W	0-2		0.40	.	1249.83	344.868	525.30	1974.37
19	24	0S-200W	0-2		0.60	.	2245.41	344.843	1520.93	2969.89
20	24	0S-300W	0-2		0.45	.	1498.73	344.386	775.21	2222.25
21	24	0S-400W	0-2		0.39	.	1200.06	345.002	475.24	1924.87
22	24	0S-400W	7-9		1.50	.	6725.50	402.657	5879.56	7571.45
23	24	0S-400W	11-14		0.35	.	1000.94	345.666	274.73	1727.15
24	24	0S-500W	0-2		0.37	.	1100.50	345.309	375.04	1825.96
25	24	0S-600W	5-10		0.35	.	1000.94	345.666	274.73	1727.15
26	24	100S-600W	0-2		0.53	.	1896.96	344.274	1173.67	2620.25
27	24	100S-600W	2-10		0.38	.	1150.28	345.149	425.15	1875.40
28	24	100S-600W	10-20		0.43	.	1399.17	344.541	675.32	2123.02
29	24	100S-600W	30-36		0.66	.	2544.08	345.823	1817.54	3270.62
30	24	150S-600W	0-2		0.53	.	1896.96	344.274	1173.67	2620.25
31	24	150S-500W	4-8		0.38	.	1150.28	345.149	425.15	1875.40
32	24	150S-500W	12-14		0.65	.	2494.30	345.628	1768.17	3220.44
33	24	150S-500W	14-17		0.52	.	1847.18	344.244	1123.96	2570.40
34	24	100S-400W	0-4		0.45	.	1498.73	344.386	775.21	2222.25
35	24	100S-400W	6-10		0.42	.	1349.39	344.637	625.34	2073.44

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	24	100S-500W	4-8		0.46	.	1548.51	344.327	825.11	2271.91
37	24	170S-400W	0-2		0.37	.	1100.50	345.309	375.04	1825.96
38	24	170S-400W	9-12		0.42	.	1349.39	344.637	625.34	2073.44
39	24	200S-300W	0-2		0.49	.	1697.84	344.228	974.65	2421.04
40	24	100S-300W	0-2		0.40	.	1249.83	344.868	525.30	1974.37
41	24	0S-200W	0-2	8-40499	0.60	2270.0	2245.41	344.843	1520.93	2969.89
42	24	0S-100W	0-2	8-25025	0.45	1400.0	1498.73	344.386	775.21	2222.25
43	24	65S-0W	0-2	8-25026	0.30	426.0	752.05	346.778	23.50	1480.59
44	24	150S-0W	0-2	8-25027	0.41	1160.0	1299.61	344.746	575.33	2023.89
45	24	150S-0W	9-11	8-39838	0.47	1780.0	1598.29	344.282	874.98	2321.59
46	24	150S-0W	11-13	8-39839	0.43	1270.0	1399.17	344.541	675.32	2123.02
47	24	200S-100W	0-2	8-39840	0.32	755.0	851.60	346.295	124.07	1579.14
48	24	200S-100W	10-13	8-39841	0.34	968.0	951.16	345.863	224.53	1677.79
49	24	100S-200W	0-2	8-39842	0.25	1120.0	503.15	348.200	-228.38	1234.69
50	24	100S-300W	0-2	8-39843	0.32	868.0	851.60	346.295	124.07	1579.14
51	24	200S-300W	0-2	8-39845	0.39	1600.0	1200.06	345.002	475.24	1924.87
52	24	100S-400W	0-4	8-39847	0.43	713.0	1399.17	344.541	675.32	2123.02
53	24	0S-400W	0-2	8-39848	0.38	834.0	1150.28	345.149	425.15	1875.40
54	24	0S-400W	7-9	8-39849	1.17	5400.0	5082.80	371.565	4302.18	5863.42
55	24	0S-400W	11-14	8-39850	0.21	168.0	304.04	349.558	-430.35	1038.43
56	24	0S-600W	5-10	8-39895	0.28	680.0	652.49	347.309	-77.18	1382.15
57	24	150S-600W	0-2	8-39896	0.37	1360.0	1100.50	345.309	375.04	1825.96
58	24	150S-500W	12-14	8-39899	0.38	1710.0	1150.28	345.149	425.15	1875.40
59	24	150S-500W	14-17	8-39900	0.73	2420.0	2892.53	347.536	2162.39	3622.68
60	24	200S-195W	0-3/16	8-25045	1.79	8150.0	8169.09	437.207	7250.55	9087.62

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

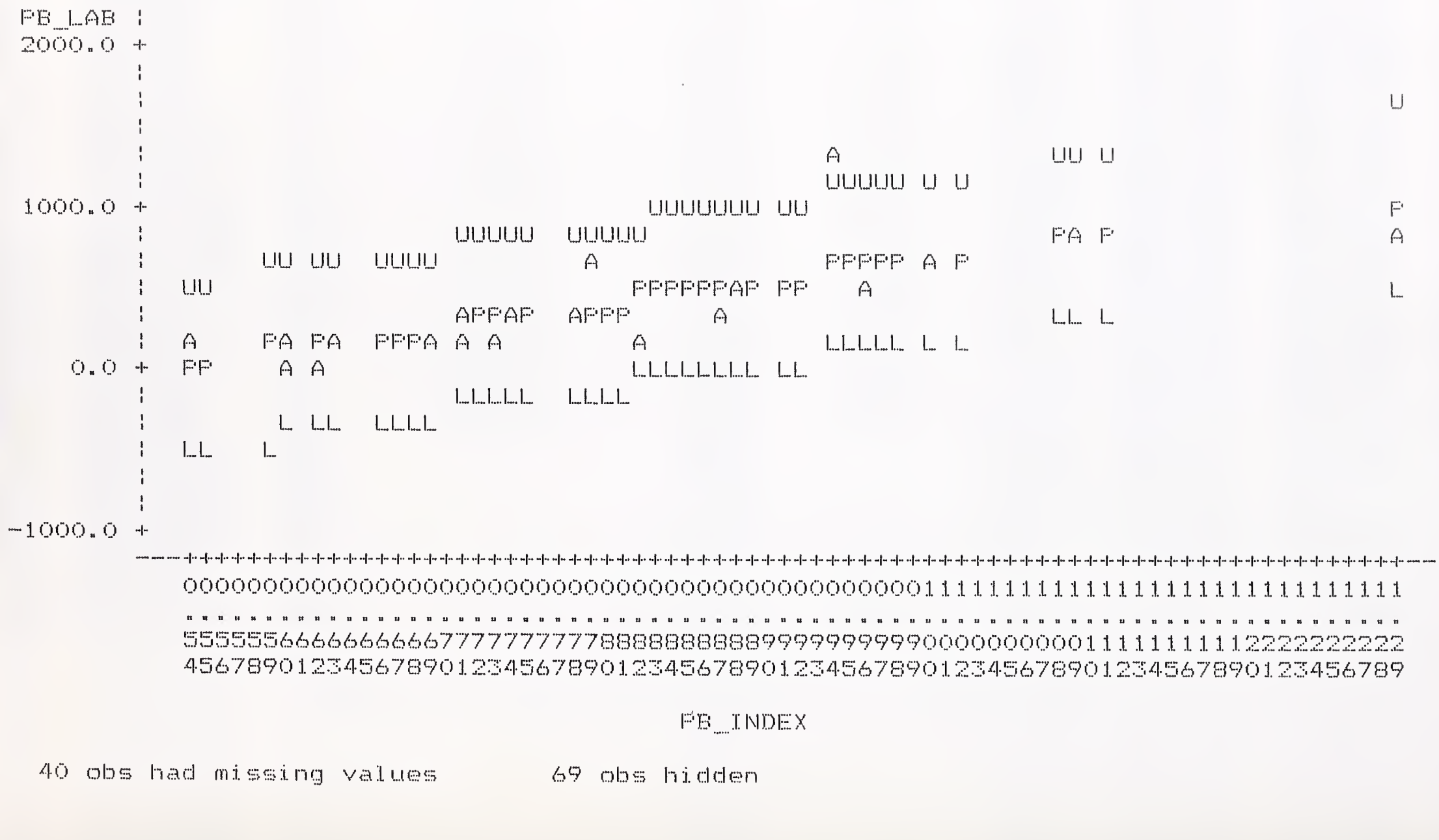


NOTE: 40 obs had missing values 173 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	24	0S-0W	0-2		0.75	.	318.70	236.056	-177.232	814.63
2	24	0S-0W	2-6		0.86	.	474.14	236.259	-22.215	970.50
3	24	65S-0W	0-2		0.68	.	219.78	238.034	-280.304	719.87
4	24	65S-0W	0-2		0.73	.	290.44	236.455	-206.333	787.21
5	24	65S-0W	8-12		0.97	.	629.59	240.483	124.354	1134.82
6	24	65S-0W	12-18		0.67	.	205.65	238.448	-295.306	706.61
7	24	80S-100W	0-2		0.80	.	389.36	235.644	-105.711	884.42
8	24	80S-100W	6-10		0.72	.	276.31	236.705	-220.988	773.60
9	24	150S-0W	0-2		0.95	.	601.32	239.423	98.319	1104.33
10	24	150S-0W	11-15		0.66	.	191.52	238.894	-310.375	693.42
11	24	200S-100W	0-2		0.85	.	460.01	236.073	-35.955	955.98
12	24	200S-100W	10-13		1.09	.	799.16	249.432	275.127	1323.19
13	24	200S-100W	13-16		0.81	.	403.49	235.663	-91.619	898.59
14	24	200S-100W	36-42		0.55	.	36.08	245.890	-480.514	552.67
15	24	200S-200W	0-2		1.02	.	700.24	243.683	188.286	1212.20
16	24	200S-195W	0-3/16		1.09	.	799.16	249.432	275.127	1323.19
17	24	100S-200W	0-2		0.59	.	92.60	242.913	-417.736	602.94
18	24	0S-100W	0-2		0.74	.	304.57	236.239	-191.747	800.89
19	24	0S-200W	0-2		1.11	.	827.42	251.334	299.393	1355.45
20	24	0S-300W	0-2		0.84	.	445.88	235.920	-49.765	941.53
21	24	0S-400W	0-2		0.91	.	544.80	237.689	45.437	1044.16
22	24	0S-400W	7-9		0.83	.	431.75	235.801	-63.646	927.15
23	24	0S-400W	11-14		0.73	.	290.44	236.455	-206.333	787.21
24	24	0S-500W	0-2		0.83	.	431.75	235.801	-63.646	927.15
25	24	0S-600W	5-10		0.85	.	460.01	236.073	-35.955	955.98
26	24	100S-600W	0-2		0.88	.	502.41	236.732	5.055	999.76
27	24	100S-600W	2-10		0.84	.	445.88	235.920	-49.765	941.53
28	24	100S-600W	10-20		1.08	.	785.03	248.523	262.905	1307.15
29	24	100S-600W	30-36		0.79	.	375.23	235.660	-119.874	870.32
30	24	150S-600W	0-2		0.87	.	488.27	236.479	-8.545	985.09
31	24	150S-500W	4-8		0.92	.	558.93	238.074	58.760	1059.10
32	24	150S-500W	12-14		1.29	.	1081.78	273.122	507.981	1655.59
33	24	150S-500W	14-17		0.75	.	318.70	236.056	-177.232	814.63
34	24	100S-400W	0-4		0.81	.	403.49	235.663	-91.619	898.59
35	24	100S-400W	6-10		0.98	.	643.72	241.061	137.271	1150.16

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	24	100S-500W	4-8		0.89	.	516.54	237.018	18.585	1014.49
37	24	170S-400W	0-2		0.85	.	460.01	236.073	-35.955	955.98
38	24	170S-400W	9-12		0.80	.	389.36	235.644	-105.711	884.42
39	24	200S-300W	0-2		0.84	.	445.88	235.920	-49.765	941.53
40	24	100S-300W	0-2		0.88	.	502.41	236.732	5.055	999.76
41	24	0S-200W	0-2	8-40499	1.29	870.0	1081.78	273.122	507.981	1655.59
42	24	0S-100W	0-2	8-25025	0.82	241.0	417.62	235.715	-77.597	912.83
43	24	65S-0W	0-2	8-25026	0.78	293.0	361.09	235.708	-134.107	856.30
44	24	150S-0W	0-2	8-25027	0.88	417.0	502.41	236.732	5.055	999.76
45	24	150S-0W	9-11	8-39838	0.94	1380.0	587.19	238.941	85.200	1089.19
46	24	150S-0W	11-13	8-39839	0.60	85.0	106.73	242.245	-402.201	615.67
47	24	200S-100W	0-2	8-39840	0.87	373.0	488.27	236.479	-8.545	985.09
48	24	200S-100W	10-13	8-39841	1.09	840.0	799.16	249.432	275.127	1323.19
49	24	100S-200W	0-2	8-39842	0.54	247.0	21.95	246.709	-496.366	540.26
50	24	100S-300W	0-2	8-39843	0.74	306.0	304.57	236.239	-191.747	800.89
51	24	200S-300W	0-2	8-39845	0.73	161.0	290.44	236.455	-206.333	787.21
52	24	100S-400W	0-4	8-39847	0.69	85.0	233.91	237.652	-265.372	733.20
53	24	0S-400W	0-2	8-39848	0.71	266.0	262.18	236.988	-235.713	760.07
54	24	0S-400W	7-9	8-39849	0.63	102.0	149.13	240.427	-355.989	654.24
55	24	0S-400W	11-14	8-39850	0.60	16.0	106.73	242.245	-402.201	615.67
56	24	0S-600W	5-10	8-39895	0.79	688.0	375.23	235.660	-119.874	870.32
57	24	150S-600W	0-2	8-39896	0.71	165.0	262.18	236.988	-235.713	760.07
58	24	150S-500W	12-14	8-39899	1.00	640.0	671.98	242.310	162.909	1181.05
59	24	150S-500W	14-17	8-39900	0.62	58.0	135.00	241.002	-371.327	641.32
60	24	200S-195W	0-3/16	8-25045	0.96	540.0	615.46	239.937	111.369	1119.54

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L



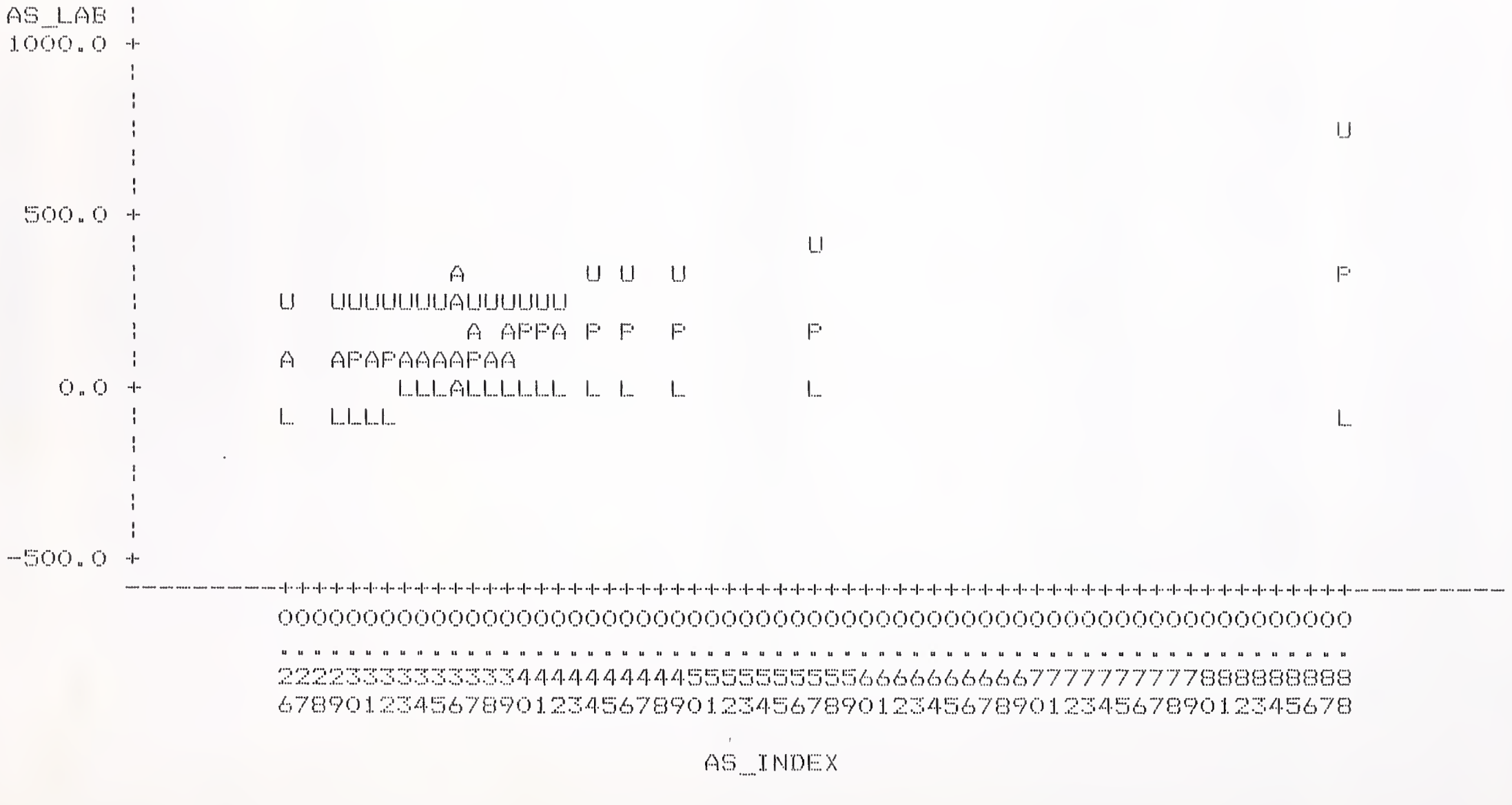
NOTE: 40 obs had missing values 69 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	25	700N-0W	0-2	8-40325	0.36	100.0	112.477	65.604	-25.352	250.305
2	25	700N-0W	4-10	8-40326	0.36	19.5	112.477	65.604	-25.352	250.305
3	25	700N-0W	10-20	8-40327	0.36	8.9	112.477	65.604	-25.352	250.305
4	25	700N-200W	0-2	8-40331	0.39	140.0	125.263	67.146	-15.806	266.331
5	25	600N-200W	0-2	8-40332	0.35	68.7	108.214	65.546	-29.492	245.921
6	25	500N-300W	0-2	8-40333	0.37	130.0	116.739	65.893	-21.695	255.173
7	25	600N-0W	2-6	8-40334	0.31	60.0	91.166	67.597	-50.848	233.180
8	25	500N-100W	0-2	8-40335	0.36	310.0	112.477	65.604	-25.352	250.305
9	25	400N-100W	0-2	8-40336	0.31	110.0	91.166	67.597	-50.848	233.180
10	25	300N-100W	0-2	8-40338	0.36	210.0	112.477	65.604	-25.352	250.305
11	25	300N-100W	2-6	8-40339	0.42	130.0	138.049	70.614	-10.305	286.403
12	25	400N-200W	0-2	8-40340	0.34	88.4	103.952	65.720	-34.119	242.023
13	25	300N-300W	0-2	8-40341	0.26	61.4	69.856	74.786	-87.263	226.974
14	25	100N-300N	2-6	8-40342	0.36	84.5	112.477	65.604	-25.352	250.305
15	25	0N-300W	0-2	8-40343	0.29	110.0	82.642	69.913	-64.238	229.522
16	25	0N-300W	2-6	8-40344	0.36	94.2	112.477	65.604	-25.352	250.305
17	25	100N-200W	0-2	8-40345	0.39	120.0	125.263	67.146	-15.806	266.331
18	25	0N-0W	0-2	8-40346	0.33	100.0	99.690	66.122	-39.227	238.607
19	25	100N-0W	2-6	8-40347	0.39	120.0	125.263	67.146	-15.806	266.331
20	25	200N-0W	0-2	8-40348	0.38	120.0	121.001	66.408	-18.517	260.519
21	25	700N-100W	0-2		0.30	.	86.904	68.654	-57.332	231.140
22	25	700N-100W	2-4		0.44	.	146.573	73.868	-8.616	301.763
23	25	700N-100W	4-10		0.33	.	99.690	66.122	-39.227	238.607
24	25	700N-100W	10-20		0.36	.	112.477	65.604	-25.352	250.305
25	25	700N-200W	0-2		0.32	.	95.428	66.750	-44.807	235.664
26	25	700N-200W	4-10		0.29	.	82.642	69.913	-64.238	229.522
27	25	600N-300W	2-6		0.37	.	116.739	65.893	-21.695	255.173
28	25	600N-300W	0-2		0.30	.	86.904	68.654	-57.332	231.140
29	25	700N-300W	0-2		0.34	.	103.952	65.720	-34.119	242.023
30	25	700N-300W	2-6		0.40	.	129.525	68.100	-13.546	272.596
31	25	600N-100W	0-2		0.37	.	116.739	65.893	-21.695	255.173
32	25	600N-100W	2-6		0.34	.	103.952	65.720	-34.119	242.023
33	25	600N-0W	2-6		0.36	.	112.477	65.604	-25.352	250.305
34	25	600N-0W	0-2		0.36	.	112.477	65.604	-25.352	250.305
35	25	600N-200W	2-6		0.35	.	108.214	65.546	-29.492	245.921

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	25	600N-200W	0-2		0.33	.	99.690	66.122	-39.227	238.607
37	25	700N-0W	0-2		0.38	.	121.001	66.408	-18.517	260.519
38	25	700N-0W	2-6		0.36	.	112.477	65.604	-25.352	250.305
39	25	500N-0W	0-2		0.35	.	108.214	65.546	-29.492	245.921
40	25	500N-0W	2-6		0.36	.	112.477	65.604	-25.352	250.305
41	25	500N-100W	0-2		0.57	.	201.981	107.096	-23.018	426.979
42	25	500N-100W	2-6		0.88	.	334.105	215.624	-118.901	787.112
43	25	500N-200W	0-2		0.35	.	108.214	65.546	-29.492	245.921
44	25	500N-200W	2-6		0.38	.	121.001	66.408	-18.517	260.519
45	25	500N-300W	0-2		0.34	.	103.952	65.720	-34.119	242.023
46	25	500N-300W	2-6		0.34	.	103.952	65.720	-34.119	242.023
47	25	400N-200W	0-2		0.37	.	116.739	65.893	-21.695	255.173
48	25	400N-200W	2-6		0.46	.	155.098	77.768	-8.287	318.482
49	25	400N-300W	0-2		0.38	.	121.001	66.408	-18.517	260.519
50	25	400N-300W	2-6		0.38	.	121.001	66.408	-18.517	260.519
51	25	400N-100W	0-2		0.39	.	125.263	67.146	-15.806	266.331
52	25	400N-100W	2-6		0.49	.	167.884	84.632	-9.920	345.688
53	25	400N-0W	0-2		0.36	.	112.477	65.604	-25.352	250.305
54	25	400N-0W	2-6		0.33	.	99.690	66.122	-39.227	238.607
55	25	300N-0W	0-2		0.33	.	99.690	66.122	-39.227	238.607
56	25	300N-0W	2-6		0.36	.	112.477	65.604	-25.352	250.305
57	25	300N-100W	0-2		0.39	.	125.263	67.146	-15.806	266.331
58	25	300N-100W	2-6		0.37	.	116.739	65.893	-21.695	255.173
59	25	300N-200W	0-2		0.38	.	121.001	66.408	-18.517	260.519
60	25	300N-200W	2-6		0.38	.	121.001	66.408	-18.517	260.519
61	25	300N-300W	0-2		0.32	.	95.428	66.750	-44.807	235.664
62	25	300N-300W	2-6		0.41	.	133.787	69.259	-11.719	279.293
63	25	200N-300W	0-2		0.37	.	116.739	65.893	-21.695	255.173
64	25	200N-300W	2-6		0.41	.	133.787	69.259	-11.719	279.293
65	25	200N-300W	6-12		0.36	.	112.477	65.604	-25.352	250.305
66	25	200N-200W	0-2		0.36	.	112.477	65.604	-25.352	250.305
67	25	200N-200W	2-6		0.44	.	146.573	73.868	-8.616	301.763
68	25	200N-100W	0-2		0.36	.	112.477	65.604	-25.352	250.305
69	25	200N-100W	2-6		0.41	.	133.787	69.259	-11.719	279.293
70	25	200N-0W	0-2		0.39	.	125.263	67.146	-15.806	266.331

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
71	25	200N-0W	2-6		0.37	.	116.739	65.893	-21.695	255.173
72	25	100N-0W	0-2		0.40	.	129.525	68.100	-13.546	272.596
73	25	100N-0W	2-6		0.37	.	116.739	65.893	-21.695	255.173
74	25	100N-100W	0-2		0.44	.	146.573	73.868	-8.616	301.763
75	25	100N-100W	2-6		0.40	.	129.525	68.100	-13.546	272.596
76	25	100N-200W	0-2		0.42	.	138.049	70.614	-10.305	286.403
77	25	100N-200W	2-6		0.42	.	138.049	70.614	-10.305	286.403
78	25	100N-300W	0-2		0.32	.	95.428	66.750	-44.807	235.664
79	25	100N-300W	2-6		0.44	.	146.573	73.868	-8.616	301.763
80	25	0N-300W	0-2		0.32	.	95.428	66.750	-44.807	235.664
81	25	0N-300W	2-6		0.42	.	138.049	70.614	-10.305	286.403
82	25	0N-200W	0-2		0.39	.	125.263	67.146	-15.806	266.331
83	25	0N-200W	2-6		0.38	.	121.001	66.408	-18.517	260.519
84	25	0N-100W	0-2		0.36	.	112.477	65.604	-25.352	250.305
85	25	0N-100W	2-6		0.40	.	129.525	68.100	-13.546	272.596
86	25	0N-0W	0-2		0.38	.	121.001	66.408	-18.517	260.519
87	25	0N-0W	2-6		0.41	.	133.787	69.259	-11.719	279.293
88	25	0N-100W	6-12		0.40	.	129.525	68.100	-13.546	272.596

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



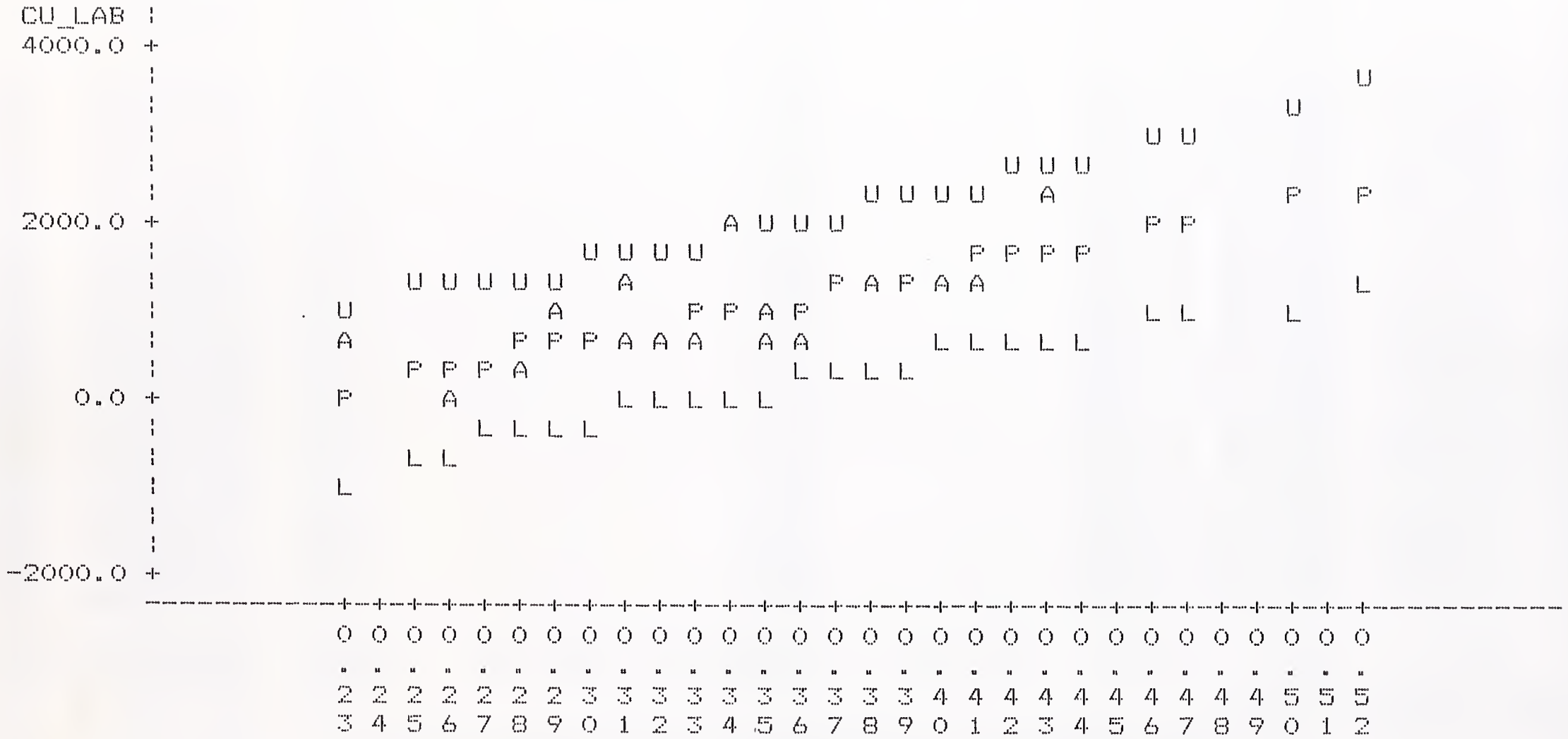
NOTE: 68 obs had missing values 221 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	25	700N-0W	0-2	8-40325	0.33	613.0	898.09	425.088	5.02	1791.16
2	25	700N-0W	4-10	8-40326	0.26	34.0	346.30	444.028	-586.57	1279.16
3	25	700N-0W	10-20	8-40327	0.26	29.0	346.30	444.028	-586.57	1279.16
4	25	700N-200W	0-2	8-40331	0.40	1360.0	1449.89	444.565	515.90	2383.88
5	25	600N-200W	0-2	8-40332	0.31	703.0	740.44	426.609	-155.83	1636.70
6	25	500N-300W	0-2	8-40333	0.41	1380.0	1528.71	450.316	582.64	2474.79
7	25	600N-0W	2-6	8-40334	0.28	224.0	503.95	434.799	-409.52	1417.42
8	25	500N-100W	0-2	8-40335	0.43	2190.0	1686.37	463.813	711.94	2660.80
9	25	400N-100W	0-2	8-40336	0.29	1100.0	582.78	431.296	-323.33	1488.89
10	25	300N-100W	0-2	8-40338	0.34	1970.0	976.92	425.529	82.92	1870.92
11	25	300N-100W	2-6	8-40339	0.38	1240.0	1292.23	435.190	377.94	2206.53
12	25	400N-200W	0-2	8-40340	0.33	773.0	898.09	425.088	5.02	1791.16
13	25	300N-300W	0-2	8-40341	0.23	553.0	109.81	463.077	-863.07	1082.69
14	25	100N-300N	2-6	8-40342	0.32	662.0	819.26	425.449	-74.57	1713.09
15	25	0N-300W	0-2	8-40343	0.31	1470.0	740.44	426.609	-155.83	1636.70
16	25	0N-300W	2-6	8-40344	0.32	615.0	819.26	425.449	-74.57	1713.09
17	25	100N-200W	0-2	8-40345	0.35	884.0	1055.75	426.768	159.15	1952.35
18	25	0N-0W	0-2	8-40346	0.33	611.0	898.09	425.088	5.02	1791.16
19	25	100N-0W	2-6	8-40347	0.36	682.0	1134.58	428.800	233.71	2035.44
20	25	200N-0W	0-2	8-40348	0.35	790.0	1055.75	426.768	159.15	1952.35
21	25	700N-100W	0-2		0.29	.	582.78	431.296	-323.33	1488.89
22	25	700N-100W	2-4		0.42	.	1607.54	456.741	647.97	2567.11
23	25	700N-100W	4-10		0.33	.	898.09	425.088	5.02	1791.16
24	25	700N-100W	10-20		0.25	.	267.47	449.710	-677.33	1212.27
25	25	700N-200W	0-2		0.31	.	740.44	426.609	-155.83	1636.70
26	25	700N-200W	4-10		0.26	.	346.30	444.028	-586.57	1279.16
27	25	600N-300W	2-6		0.29	.	582.78	431.296	-323.33	1488.89
28	25	600N-300W	0-2		0.29	.	582.78	431.296	-323.33	1488.89
29	25	700N-300W	0-2		0.37	.	1213.40	431.612	306.63	2120.18
30	25	700N-300W	2-6		0.40	.	1449.89	444.565	515.90	2383.88
31	25	600N-100W	0-2		0.39	.	1371.06	439.515	447.68	2294.44
32	25	600N-100W	2-6		0.33	.	898.09	425.088	5.02	1791.16
33	25	600N-0W	2-6		0.28	.	503.95	434.799	-409.52	1417.42
34	25	600N-0W	0-2		0.36	.	1134.58	428.800	233.71	2035.44
35	25	600N-200W	2-6		0.32	.	819.26	425.449	-74.57	1713.09

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	25	600N-200W	0-2		0.32	.	819.26	425.449	-74.57	1713.09
37	25	700N-0W	0-2		0.27	.	425.12	439.050	-497.28	1347.53
38	25	700N-0W	2-6		0.25	.	267.47	449.710	-677.33	1212.27
39	25	500N-0W	0-2		0.36	.	1134.58	428.800	233.71	2035.44
40	25	500N-0W	2-6		0.42	.	1607.54	456.741	647.97	2567.11
41	25	500N-100W	0-2		0.52	.	2395.82	551.708	1236.73	3554.91
42	25	500N-100W	2-6		0.33	.	898.09	425.088	5.02	1791.16
43	25	500N-200W	0-2		0.31	.	740.44	426.609	-155.83	1636.70
44	25	500N-200W	2-6		0.38	.	1292.23	435.190	377.94	2206.53
45	25	500N-300W	0-2		0.39	.	1371.06	439.515	447.68	2294.44
46	25	500N-300W	2-6		0.32	.	819.26	425.449	-74.57	1713.09
47	25	400N-200W	0-2		0.42	.	1607.54	456.741	647.97	2567.11
48	25	400N-200W	2-6		0.47	.	2001.68	497.973	955.49	3047.88
49	25	400N-300W	0-2		0.50	.	2238.17	528.937	1126.92	3349.41
50	25	400N-300W	2-6		0.41	.	1528.71	450.316	582.64	2474.79
51	25	400N-100W	0-2		0.39	.	1371.06	439.515	447.68	2294.44
52	25	400N-100W	2-6		0.43	.	1686.37	463.813	711.94	2660.80
53	25	400N-0W	0-2		0.41	.	1528.71	450.316	582.64	2474.79
54	25	400N-0W	2-6		0.34	.	976.92	425.529	82.92	1870.92
55	25	300N-0W	0-2		0.34	.	976.92	425.529	82.92	1870.92
56	25	300N-0W	2-6		0.41	.	1528.71	450.316	582.64	2474.79
57	25	300N-100W	0-2		0.41	.	1528.71	450.316	582.64	2474.79
58	25	300N-100W	2-6		0.35	.	1055.75	426.768	159.15	1952.35
59	25	300N-200W	0-2		0.35	.	1055.75	426.768	159.15	1952.35
60	25	300N-200W	2-6		0.34	.	976.92	425.529	82.92	1870.92
61	25	300N-300W	0-2		0.29	.	582.78	431.296	-323.33	1488.89
62	25	300N-300W	2-6		0.35	.	1055.75	426.768	159.15	1952.35
63	25	200N-300W	0-2		0.38	.	1292.23	435.190	377.94	2206.53
64	25	200N-300W	2-6		0.46	.	1922.85	488.611	896.33	2949.38
65	25	200N-300W	6-12		0.33	.	898.09	425.088	5.02	1791.16
66	25	200N-200W	0-2		0.37	.	1213.40	431.612	306.63	2120.18
67	25	200N-200W	2-6		0.37	.	1213.40	431.612	306.63	2120.18
68	25	200N-100W	0-2		0.41	.	1528.71	450.316	582.64	2474.79
69	25	200N-100W	2-6		0.39	.	1371.06	439.515	447.68	2294.44
70	25	200N-0W	0-2		0.40	.	1449.89	444.565	515.90	2383.88

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
71	25	200N-0W	2-6		0.36	.	1134.58	428.800	233.71	2035.44
72	25	100N-0W	0-2		0.41	.	1528.71	450.316	582.64	2474.79
73	25	100N-0W	2-6		0.31	.	740.44	426.609	-155.83	1636.70
74	25	100N-100W	0-2		0.44	.	1765.20	471.501	774.62	2755.78
75	25	100N-100W	2-6		0.42	.	1607.54	456.741	647.97	2567.11
76	25	100N-200W	0-2		0.37	.	1213.40	431.612	306.63	2120.18
77	25	100N-200W	2-6		0.36	.	1134.58	428.800	233.71	2035.44
78	25	100N-300W	0-2		0.33	.	898.09	425.088	5.02	1791.16
79	25	100N-300W	2-6		0.40	.	1449.89	444.565	515.90	2383.88
80	25	0N-300W	0-2		0.35	.	1055.75	426.768	159.15	1952.35
81	25	0N-300W	2-6		0.32	.	819.26	425.449	-74.57	1713.09
82	25	0N-200W	0-2		0.34	.	976.92	425.529	82.92	1870.92
83	25	0N-200W	2-6		0.33	.	898.09	425.088	5.02	1791.16
84	25	0N-100W	0-2		0.38	.	1292.23	435.190	377.94	2206.53
85	25	0N-100W	2-6		0.39	.	1371.06	439.515	447.68	2294.44
86	25	0N-0W	0-2		0.34	.	976.92	425.529	82.92	1870.92
87	25	0N-0W	2-6		0.33	.	898.09	425.088	5.02	1791.16
88	25	0N-100W	6-12		0.30	.	661.61	428.561	-238.76	1561.98

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L



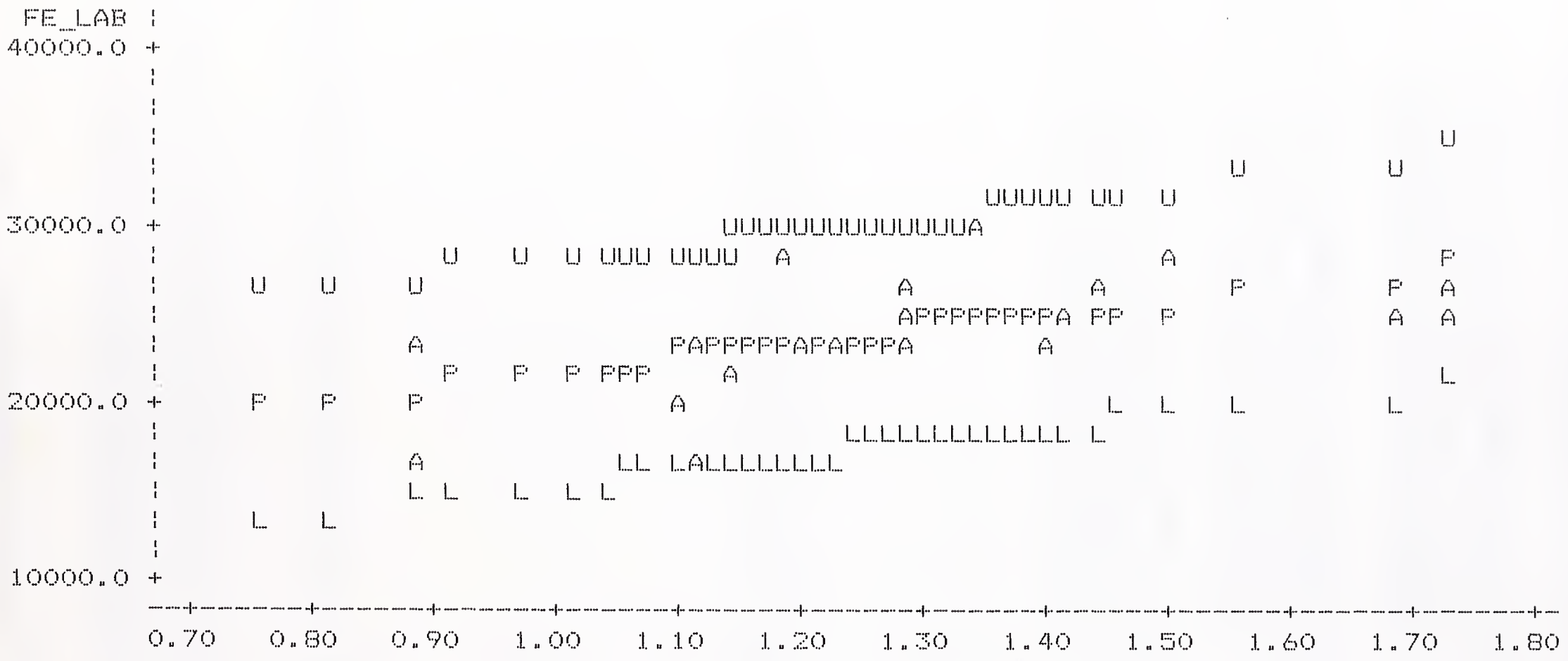
NOTE: 68 obs had missing values 199 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	25	700N-0W	0-2	8-40325	1.12	17200.0	22703.96	2999.74	16401.78	29006.14
2	25	700N-0W	4-10	8-40326	1.50	28600.0	25816.22	3010.27	19491.93	32140.52
3	25	700N-0W	10-20	8-40327	1.42	24600.0	25161.01	2977.71	18905.11	31416.91
4	25	700N-200W	0-2	8-40331	1.28	26200.0	24014.39	2959.51	17796.72	30232.05
5	25	600N-200W	0-2	8-40332	1.12	22600.0	22703.96	2999.74	16401.78	29006.14
6	25	500N-300W	0-2	8-40333	1.10	20400.0	22540.16	3009.26	16217.98	28862.34
7	25	600N-0W	2-6	8-40334	1.73	27200.0	27699.96	3187.74	21002.81	34397.11
8	25	500N-100W	0-2	8-40335	1.69	25600.0	27372.36	3148.47	20757.70	33987.01
9	25	400N-100W	0-2	8-40336	1.29	23600.0	24096.29	2959.15	17879.38	30313.20
10	25	300N-100W	0-2	8-40338	1.44	26400.0	25324.81	2984.36	19054.94	31594.69
11	25	300N-100W	2-6	8-40339	1.40	23000.0	24997.21	2972.07	18753.17	31241.24
12	25	400N-200W	0-2	8-40340	1.73	24800.0	27699.96	3187.74	21002.81	34397.11
13	25	300N-300W	0-2	8-40341	1.28	25800.0	24014.39	2959.51	17796.72	30232.05
14	25	100N-300N	2-6	8-40342	1.19	28800.0	23277.27	2974.20	17028.74	29525.80
15	25	0N-300W	0-2	8-40343	0.89	23400.0	20820.22	3165.73	14169.31	27471.13
16	25	0N-300W	2-6	8-40344	1.34	29800.0	24505.80	2961.20	18284.59	30727.00
17	25	100N-200W	0-2	8-40345	1.14	21400.0	22867.76	2991.20	16583.52	29152.00
18	25	0N-0W	0-2	8-40346	0.89	17000.0	20820.22	3165.73	14169.31	27471.13
19	25	100N-0W	2-6	8-40347	1.23	23800.0	23604.88	2965.13	17375.41	29834.35
20	25	200N-0W	0-2	8-40348	1.20	23200.0	23359.17	2971.56	17116.21	29602.14
21	25	700N-100W	0-2		0.76	.	19755.50	3309.75	12802.02	26708.98
22	25	700N-100W	2-4		1.25	.	23768.68	2962.12	17545.54	29991.82
23	25	700N-100W	4-10		1.30	.	24178.19	2959.05	17961.50	30394.89
24	25	700N-100W	10-20		1.06	.	22212.55	3031.21	15844.26	28580.84
25	25	700N-200W	0-2		1.25	.	23768.68	2962.12	17545.54	29991.82
26	25	700N-200W	4-10		1.12	.	22703.96	2999.74	16401.78	29006.14
27	25	600N-300W	2-6		1.21	.	23441.08	2969.16	17203.14	29679.01
28	25	600N-300W	0-2		1.05	.	22130.65	3037.29	15749.57	28511.73
29	25	700N-300W	0-2		1.19	.	23277.27	2974.20	17028.74	29525.80
30	25	700N-300W	2-6		1.29	.	24096.29	2959.15	17879.38	30313.20
31	25	600N-100W	0-2		1.11	.	22622.06	3004.38	16310.14	28933.98
32	25	600N-100W	2-6		1.26	.	23850.58	2960.99	17629.81	30071.36
33	25	600N-0W	2-6		1.56	.	26307.63	3044.91	19910.56	32704.71
34	25	600N-0W	0-2		1.18	.	23195.37	2977.10	16940.75	29449.99
35	25	600N-200W	2-6		1.17	.	23113.47	2980.25	16852.23	29374.71

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	25	600N-200W	0-2		0.97	.	21475.44	3094.36	14974.47	27976.40
37	25	700N-0W	0-2		1.07	.	22294.45	3025.36	15938.44	28650.46
38	25	700N-0W	2-6		1.40	.	24997.21	2972.07	18753.17	31241.24
39	25	500N-0W	0-2		1.05	.	22130.65	3037.29	15749.57	28511.73
40	25	500N-0W	2-6		1.28	.	24014.39	2959.51	17796.72	30232.05
41	25	500N-100W	0-2		1.37	.	24751.50	2965.49	18521.28	30981.72
42	25	500N-100W	2-6		1.25	.	23768.68	2962.12	17545.54	29991.82
43	25	500N-200W	0-2		1.16	.	23031.57	2983.65	16763.19	29299.95
44	25	500N-200W	2-6		1.16	.	23031.57	2983.65	16763.19	29299.95
45	25	500N-300W	0-2		1.12	.	22703.96	2999.74	16401.78	29006.14
46	25	500N-300W	2-6		1.16	.	23031.57	2983.65	16763.19	29299.95
47	25	400N-200W	0-2		1.14	.	22867.76	2991.20	16583.52	29152.00
48	25	400N-200W	2-6		1.31	.	24260.09	2959.20	18043.07	30477.11
49	25	400N-300W	0-2		1.20	.	23359.17	2971.56	17116.21	29602.14
50	25	400N-300W	2-6		1.30	.	24178.19	2959.05	17961.50	30394.89
51	25	400N-100W	0-2		1.35	.	24587.70	2962.37	18364.02	30811.37
52	25	400N-100W	2-6		1.22	.	23522.98	2967.02	17289.54	29756.41
53	25	400N-0W	0-2		1.05	.	22130.65	3037.29	15749.57	28511.73
54	25	400N-0W	2-6		1.15	.	22949.67	2987.30	16673.62	29225.71
55	25	300N-0W	0-2		1.17	.	23113.47	2980.25	16852.23	29374.71
56	25	300N-0W	2-6		1.02	.	21884.94	3056.96	15462.54	28307.34
57	25	300N-100W	0-2		1.35	.	24587.70	2962.37	18364.02	30811.37
58	25	300N-100W	2-6		1.40	.	24997.21	2972.07	18753.17	31241.24
59	25	300N-200W	0-2		1.18	.	23195.37	2977.10	16940.75	29449.99
60	25	300N-200W	2-6		1.33	.	24423.90	2960.28	18204.62	30643.17
61	25	300N-300W	0-2		1.20	.	23359.17	2971.56	17116.21	29602.14
62	25	300N-300W	2-6		1.29	.	24096.29	2959.15	17879.38	30313.20
63	25	200N-300W	0-2		1.20	.	23359.17	2971.56	17116.21	29602.14
64	25	200N-300W	2-6		1.26	.	23850.58	2960.99	17629.81	30071.36
65	25	200N-300W	6-12		1.36	.	24669.60	2963.80	18442.92	30896.28
66	25	200N-200W	0-2		1.19	.	23277.27	2974.20	17028.74	29525.80
67	25	200N-200W	2-6		1.26	.	23850.58	2960.99	17629.81	30071.36
68	25	200N-100W	0-2		1.17	.	23113.47	2980.25	16852.23	29374.71
69	25	200N-100W	2-6		1.40	.	24997.21	2972.07	18753.17	31241.24
70	25	200N-0W	0-2		1.35	.	24587.70	2962.37	18364.02	30811.37

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
71	25	200N-0W	2-6		1.39	.	24915.31	2969.62	18676.41	31154.20
72	25	100N-0W	0-2		1.30	.	24178.19	2959.05	17961.50	30394.89
73	25	100N-0W	2-6		1.50	.	25816.22	3010.27	19491.93	32140.52
74	25	100N-100W	0-2		1.27	.	23932.49	2960.13	17713.53	30151.44
75	25	100N-100W	2-6		1.26	.	23850.58	2960.99	17629.81	30071.36
76	25	100N-200W	0-2		1.33	.	24423.90	2960.28	18204.62	30643.17
77	25	100N-200W	2-6		1.29	.	24096.29	2959.15	17879.38	30313.20
78	25	100N-300W	0-2		0.92	.	21065.93	3137.35	14474.65	27657.21
79	25	100N-300W	2-6		1.31	.	24260.09	2959.20	18043.07	30477.11
80	25	0N-300W	0-2		0.81	.	20165.01	3250.46	13336.09	26993.92
81	25	0N-300W	2-6		1.46	.	25488.62	2992.01	19202.68	31774.56
82	25	0N-200W	0-2		1.16	.	23031.57	2983.65	16763.19	29299.95
83	25	0N-200W	2-6		1.16	.	23031.57	2983.65	16763.19	29299.95
84	25	0N-100W	0-2		1.17	.	23113.47	2980.25	16852.23	29374.71
85	25	0N-100W	2-6		1.13	.	22785.86	2995.35	16492.91	29078.81
86	25	0N-0W	0-2		1.04	.	22048.75	3043.62	15654.39	28443.11
87	25	0N-0W	2-6		0.97	.	21475.44	3094.36	14974.47	27976.40
88	25	0N-100W	6-12		1.33	.	24423.90	2960.28	18204.62	30643.17

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L



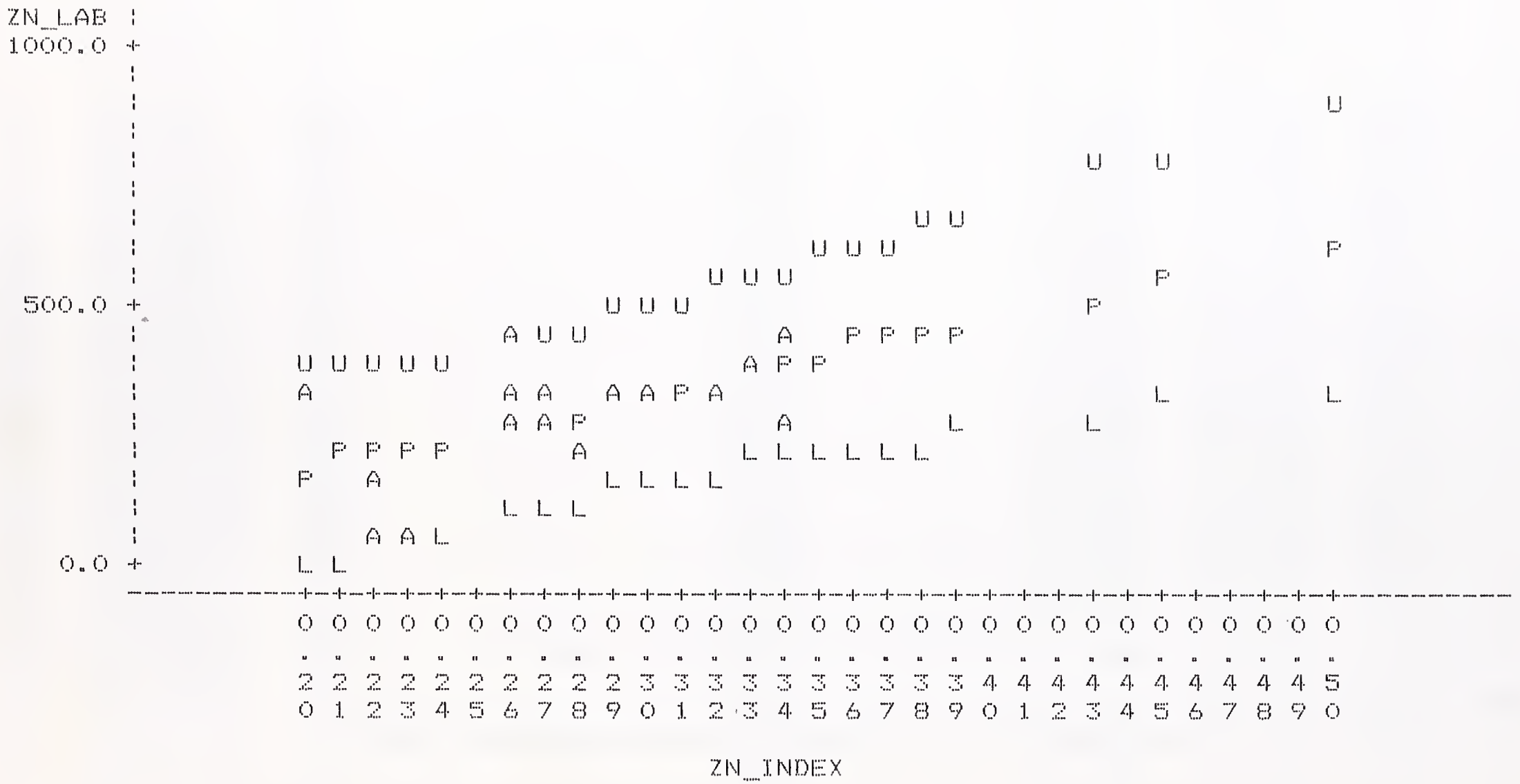
NOTE: 68 obs had missing values 156 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	25	700N-0W	0-2	8-40325	0.27	260.0	284.567	81.620	113.091	456.043
2	25	700N-0W	4-10	8-40326	0.23	61.0	224.717	84.196	47.830	401.605
3	25	700N-0W	10-20	8-40327	0.22	74.0	209.755	85.467	30.196	389.314
4	25	700N-200W	0-2	8-40331	0.33	369.0	374.341	85.607	194.488	554.194
5	25	600N-200W	0-2	8-40332	0.27	301.0	284.567	81.620	113.091	456.043
6	25	500N-300W	0-2	8-40333	0.32	306.0	359.379	84.312	182.247	536.511
7	25	600N-0W	2-6	8-40334	0.22	176.0	209.755	85.467	30.196	389.314
8	25	500N-100W	0-2	8-40335	0.34	449.0	389.303	87.134	206.243	572.364
9	25	400N-100W	0-2	8-40336	0.26	328.0	269.605	81.873	97.597	441.612
10	25	300N-100W	0-2	8-40338	0.29	351.0	314.492	81.913	142.400	486.583
11	25	300N-100W	2-6	8-40339	0.34	304.0	389.303	87.134	206.243	572.364
12	25	400N-200W	0-2	8-40340	0.27	354.0	284.567	81.620	113.091	456.043
13	25	300N-300W	0-2	8-40341	0.20	306.0	179.830	88.695	-6.511	366.171
14	25	100N-300N	2-6	8-40342	0.26	298.0	269.605	81.873	97.597	441.612
15	25	0N-300W	0-2	8-40343	0.26	419.0	269.605	81.873	97.597	441.612
16	25	0N-300W	2-6	8-40344	0.27	278.0	284.567	81.620	113.091	456.043
17	25	100N-200W	0-2	8-40345	0.28	246.0	299.529	81.633	128.026	471.033
18	25	0N-0W	0-2	8-40346	0.27	265.0	284.567	81.620	113.091	456.043
19	25	100N-0W	2-6	8-40347	0.30	331.0	329.454	82.457	156.220	502.688
20	25	200N-0W	0-2	8-40348	0.29	350.0	314.492	81.913	142.400	486.583
21	25	700N-100W	0-2		0.26	.	269.605	81.873	97.597	441.612
22	25	700N-100W	2-4		0.36	.	419.228	90.832	228.399	610.058
23	25	700N-100W	4-10		0.27	.	284.567	81.620	113.091	456.043
24	25	700N-100W	10-20		0.21	.	194.793	86.971	12.074	377.511
25	25	700N-200W	0-2		0.30	.	329.454	82.457	156.220	502.688
26	25	700N-200W	4-10		0.20	.	179.830	88.695	-6.511	366.171
27	25	600N-300W	2-6		0.26	.	269.605	81.873	97.597	441.612
28	25	600N-300W	0-2		0.22	.	209.755	85.467	30.196	389.314
29	25	700N-300W	0-2		0.27	.	284.567	81.620	113.091	456.043
30	25	700N-300W	2-6		0.34	.	389.303	87.134	206.243	572.364
31	25	600N-100W	0-2		0.33	.	374.341	85.607	194.488	554.194
32	25	600N-100W	2-6		0.30	.	329.454	82.457	156.220	502.688
33	25	600N-0W	2-6		0.23	.	224.717	84.196	47.830	401.605
34	25	600N-0W	0-2		0.33	.	374.341	85.607	194.488	554.194
35	25	600N-200W	2-6		0.28	.	299.529	81.633	128.026	471.033

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	25	600N-200W	0-2		0.29	.	314.492	81.913	142.400	486.583
37	25	700N-0W	0-2		0.23	.	224.717	84.196	47.830	401.605
38	25	700N-0W	2-6		0.20	.	179.830	88.695	-6.511	366.171
39	25	500N-0W	0-2		0.32	.	359.379	84.312	182.247	536.511
40	25	500N-0W	2-6		0.35	.	404.266	88.880	217.538	590.994
41	25	500N-100W	0-2		0.50	.	628.701	133.186	348.889	908.514
42	25	500N-100W	2-6		0.32	.	359.379	84.312	182.247	536.511
43	25	500N-200W	0-2		0.28	.	299.529	81.633	128.026	471.033
44	25	500N-200W	2-6		0.35	.	404.266	88.880	217.538	590.994
45	25	500N-300W	0-2		0.31	.	344.416	83.259	169.497	519.335
46	25	500N-300W	2-6		0.29	.	314.492	81.913	142.400	486.583
47	25	400N-200W	0-2		0.36	.	419.228	90.832	228.399	610.058
48	25	400N-200W	2-6		0.39	.	464.115	97.798	258.650	669.580
49	25	400N-300W	0-2		0.45	.	553.889	115.626	310.970	796.809
50	25	400N-300W	2-6		0.38	.	449.153	95.304	248.928	649.378
51	25	400N-100W	0-2		0.36	.	419.228	90.832	228.399	610.058
52	25	400N-100W	2-6		0.43	.	523.965	109.210	294.526	753.404
53	25	400N-0W	0-2		0.32	.	359.379	84.312	182.247	536.511
54	25	400N-0W	2-6		0.29	.	314.492	81.913	142.400	486.583
55	25	300N-0W	0-2		0.32	.	359.379	84.312	182.247	536.511
56	25	300N-0W	2-6		0.34	.	389.303	87.134	206.243	572.364
57	25	300N-100W	0-2		0.31	.	344.416	83.259	169.497	519.335
58	25	300N-100W	2-6		0.34	.	389.303	87.134	206.243	572.364
59	25	300N-200W	0-2		0.31	.	344.416	83.259	169.497	519.335
60	25	300N-200W	2-6		0.32	.	359.379	84.312	182.247	536.511
61	25	300N-300W	0-2		0.24	.	239.680	83.167	64.953	414.406
62	25	300N-300W	2-6		0.31	.	344.416	83.259	169.497	519.335
63	25	200N-300W	0-2		0.29	.	314.492	81.913	142.400	486.583
64	25	200N-300W	2-6		0.33	.	374.341	85.607	194.488	554.194
65	25	200N-300W	6-12		0.28	.	299.529	81.633	128.026	471.033
66	25	200N-200W	0-2		0.28	.	299.529	81.633	128.026	471.033
67	25	200N-200W	2-6		0.33	.	374.341	85.607	194.488	554.194
68	25	200N-100W	0-2		0.31	.	344.416	83.259	169.497	519.335
69	25	200N-100W	2-6		0.30	.	329.454	82.457	156.220	502.688
70	25	200N-0W	0-2		0.32	.	359.379	84.312	182.247	536.511

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
71	25	200N-0W	2-6		0.32	.	359.379	84.312	182.247	536.511
72	25	100N-0W	0-2		0.33	.	374.341	85.607	194.488	554.194
73	25	100N-0W	2-6		0.28	.	299.529	81.633	128.026	471.033
74	25	100N-100W	0-2		0.37	.	434.191	92.978	238.853	629.528
75	25	100N-100W	2-6		0.33	.	374.341	85.607	194.488	554.194
76	25	100N-200W	0-2		0.31	.	344.416	83.259	169.497	519.335
77	25	100N-200W	2-6		0.33	.	374.341	85.607	194.488	554.194
78	25	100N-300W	0-2		0.29	.	314.492	81.913	142.400	486.583
79	25	100N-300W	2-6		0.34	.	389.303	87.134	206.243	572.364
80	25	0N-300W	0-2		0.28	.	299.529	81.633	128.026	471.033
81	25	0N-300W	2-6		0.27	.	284.567	81.620	113.091	456.043
82	25	0N-200W	0-2		0.31	.	344.416	83.259	169.497	519.335
83	25	0N-200W	2-6		0.27	.	284.567	81.620	113.091	456.043
84	25	0N-100W	0-2		0.32	.	359.379	84.312	182.247	536.511
85	25	0N-100W	2-6		0.30	.	329.454	82.457	156.220	502.688
86	25	0N-0W	0-2		0.31	.	344.416	83.259	169.497	519.335
87	25	0N-0W	2-6		0.28	.	299.529	81.633	128.026	471.033
88	25	0N-100W	6-12		0.27	.	284.567	81.620	113.091	456.043

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L



NOTE: 68 obs had missing values 211 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	25	700N-0W	0-2	8-40325	0.69	0.36	82.0	107.415	52.315	-2.494	217.324
2	25	700N-0W	4-10	8-40326	0.68	0.36	19.0	107.415	52.315	-2.494	217.324
3	25	700N-0W	10-20	8-40327	0.70	0.36	19.0	107.415	52.315	-2.494	217.324
4	25	700N-200W	0-2	8-40331	0.72	0.39	131.0	113.673	53.545	1.181	226.166
5	25	600N-200W	0-2	8-40332	0.67	0.35	94.0	105.328	52.269	-4.484	215.141
6	25	500N-300W	0-2	8-40333	0.70	0.37	148.0	109.501	52.545	-0.891	219.893
7	25	600N-0W	2-6	8-40334	0.59	0.31	24.0	96.984	53.904	-16.263	210.231
8	25	500N-100W	0-2	8-40335	0.65	0.36	213.0	107.415	52.315	-2.494	217.324
9	25	400N-100W	0-2	8-40336	0.57	0.31	122.0	96.984	53.904	-16.263	210.231
10	25	300N-100W	0-2	8-40338	0.64	0.36	181.0	107.415	52.315	-2.494	217.324
11	25	300N-100W	2-6	8-40339	0.74	0.42	143.0	119.932	56.310	1.630	238.234
12	25	400N-200W	0-2	8-40340	0.65	0.34	98.0	103.242	52.407	-6.860	213.345
13	25	300N-300W	0-2	8-40341	0.49	0.26	92.0	86.553	59.637	-38.739	211.844
14	25	100N-300N	2-6	8-40342	0.66	0.36	93.0	107.415	52.315	-2.494	217.324
15	25	0N-300W	0-2	8-40343	0.57	0.29	155.0	92.811	55.751	-24.316	209.938
16	25	0N-300W	2-6	8-40344	0.68	0.36	73.0	107.415	52.315	-2.494	217.324
17	25	100N-200W	0-2	8-40345	0.72	0.39	121.0	113.673	53.545	1.181	226.166
18	25	0N-0W	0-2	8-40346	0.65	0.33	96.0	101.156	52.728	-9.621	211.933
19	25	100N-0W	2-6	8-40347	0.71	0.39	100.0	113.673	53.545	1.181	226.166
20	25	200N-0W	0-2	8-40348	0.71	0.38	113.0	111.587	52.956	0.331	222.843
21	25	700N-100W	0-2		0.57	0.30	.	94.897	54.747	-20.121	209.916
22	25	700N-100W	2-4		0.78	0.44	.	124.104	58.905	0.351	247.858
23	25	700N-100W	4-10		0.62	0.33	.	101.156	52.728	-9.621	211.933
24	25	700N-100W	10-20		0.65	0.36	.	107.415	52.315	-2.494	217.324
25	25	700N-200W	0-2		0.61	0.32	.	99.070	53.229	-12.759	210.898
26	25	700N-200W	4-10		0.58	0.29	.	92.811	55.751	-24.316	209.938
27	25	600N-300W	2-6		0.70	0.37	.	109.501	52.545	-0.891	219.893
28	25	600N-300W	0-2		0.59	0.30	.	94.897	54.747	-20.121	209.916
29	25	700N-300W	0-2		0.61	0.34	.	103.242	52.407	-6.860	213.345
30	25	700N-300W	2-6		0.76	0.40	.	115.759	54.305	1.670	229.849
31	25	600N-100W	0-2		0.68	0.37	.	109.501	52.545	-0.891	219.893
32	25	600N-100W	2-6		0.67	0.34	.	103.242	52.407	-6.860	213.345
33	25	600N-0W	2-6		0.71	0.36	.	107.415	52.315	-2.494	217.324
34	25	600N-0W	0-2		0.71	0.36	.	107.415	52.315	-2.494	217.324
35	25	600N-200W	2-6		0.70	0.35	.	105.328	52.269	-4.484	215.141

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	25	600N-200W	0-2		0.61	0.33	.	101.156	52.728	-9.621	211.933
37	25	700N-0W	0-2		0.70	0.38	.	111.587	52.956	0.331	222.843
38	25	700N-0W	2-6		0.67	0.36	.	107.415	52.315	-2.494	217.324
39	25	500N-0W	0-2		0.68	0.35	.	105.328	52.269	-4.484	215.141
40	25	500N-0W	2-6		0.68	0.36	.	107.415	52.315	-2.494	217.324
41	25	500N-100W	0-2		0.99	0.57	.	151.225	85.402	-28.197	330.646
42	25	500N-100W	2-6		0.69	0.88	.	215.897	171.946	-145.346	577.139
43	25	500N-200W	0-2		0.65	0.35	.	105.328	52.269	-4.484	215.141
44	25	500N-200W	2-6		0.72	0.38	.	111.587	52.956	0.331	222.843
45	25	500N-300W	0-2		0.63	0.34	.	103.242	52.407	-6.860	213.345
46	25	500N-300W	2-6		0.65	0.34	.	103.242	52.407	-6.860	213.345
47	25	400N-200W	0-2		0.68	0.37	.	109.501	52.545	-0.891	219.893
48	25	400N-200W	2-6		0.78	0.46	.	128.277	62.015	-2.011	258.565
49	25	400N-300W	0-2		0.68	0.38	.	111.587	52.956	0.331	222.843
50	25	400N-300W	2-6		0.67	0.38	.	111.587	52.956	0.331	222.843
51	25	400N-100W	0-2		0.71	0.39	.	113.673	53.545	1.181	226.166
52	25	400N-100W	2-6		0.86	0.49	.	134.535	67.488	-7.252	276.322
53	25	400N-0W	0-2		0.65	0.36	.	107.415	52.315	-2.494	217.324
54	25	400N-0W	2-6		0.62	0.33	.	101.156	52.728	-9.621	211.933
55	25	300N-0W	0-2		0.64	0.33	.	101.156	52.728	-9.621	211.933
56	25	300N-0W	2-6		0.62	0.36	.	107.415	52.315	-2.494	217.324
57	25	300N-100W	0-2		0.68	0.39	.	113.673	53.545	1.181	226.166
58	25	300N-100W	2-6		0.73	0.37	.	109.501	52.545	-0.891	219.893
59	25	300N-200W	0-2		0.69	0.38	.	111.587	52.956	0.331	222.843
60	25	300N-200W	2-6		0.68	0.38	.	111.587	52.956	0.331	222.843
61	25	300N-300W	0-2		0.58	0.32	.	99.070	53.229	-12.759	210.898
62	25	300N-300W	2-6		0.77	0.41	.	117.846	55.229	1.814	233.877
63	25	200N-300W	0-2		0.72	0.37	.	109.501	52.545	-0.891	219.893
64	25	200N-300W	2-6		0.75	0.41	.	117.846	55.229	1.814	233.877
65	25	200N-300W	6-12		0.73	0.36	.	107.415	52.315	-2.494	217.324
66	25	200N-200W	0-2		0.71	0.36	.	107.415	52.315	-2.494	217.324
67	25	200N-200W	2-6		0.78	0.44	.	124.104	58.905	0.351	247.858
68	25	200N-100W	0-2		0.67	0.36	.	107.415	52.315	-2.494	217.324
69	25	200N-100W	2-6		0.78	0.41	.	117.846	55.229	1.814	233.877
70	25	200N-0W	0-2		0.69	0.39	.	113.673	53.545	1.181	226.166

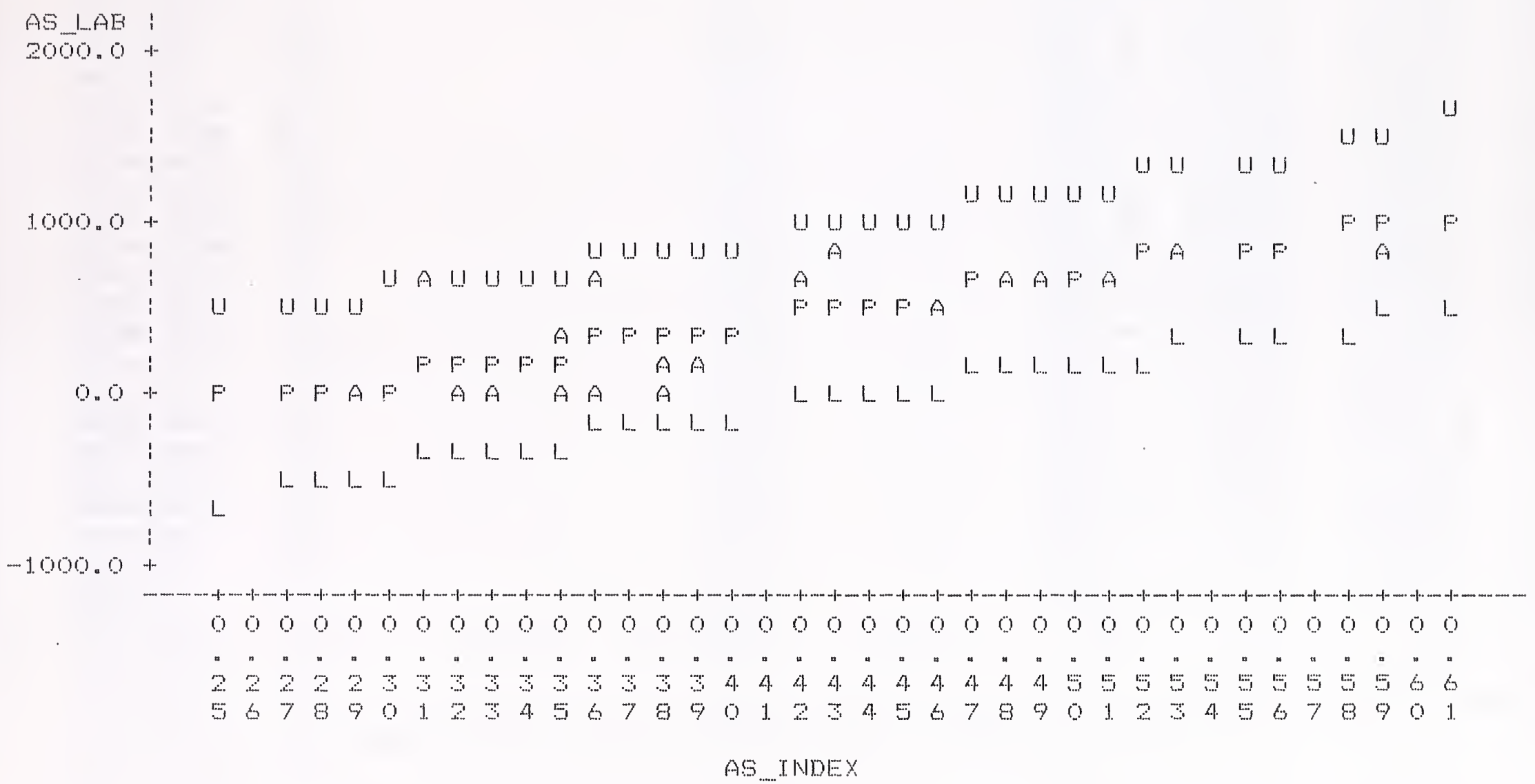
OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
71	25	200N-0W	2-6		0.75	0.37	.	109.501	52.545	-0.891	219.893
72	25	100N-0W	0-2		0.77	0.40	.	115.759	54.305	1.670	229.849
73	25	100N-0W	2-6		0.77	0.37	.	109.501	52.545	-0.891	219.893
74	25	100N-100W	0-2		0.79	0.44	.	124.104	58.905	0.351	247.858
75	25	100N-100W	2-6		0.79	0.40	.	115.759	54.305	1.670	229.849
76	25	100N-200W	0-2		0.81	0.42	.	119.932	56.310	1.630	238.234
77	25	100N-200W	2-6		0.78	0.42	.	119.932	56.310	1.630	238.234
78	25	100N-300W	0-2		0.59	0.32	.	99.070	53.229	-12.759	210.898
79	25	100N-300W	2-6		0.79	0.44	.	124.104	58.905	0.351	247.858
80	25	0N-300W	0-2		0.63	0.32	.	99.070	53.229	-12.759	210.898
81	25	0N-300W	2-6		0.78	0.42	.	119.932	56.310	1.630	238.234
82	25	0N-200W	0-2		0.75	0.39	.	113.673	53.545	1.181	226.166
83	25	0N-200W	2-6		0.74	0.38	.	111.587	52.956	0.331	222.843
84	25	0N-100W	0-2		0.69	0.36	.	107.415	52.315	-2.494	217.324
85	25	0N-100W	2-6		0.74	0.40	.	115.759	54.305	1.670	229.849
86	25	0N-0W	0-2		0.75	0.38	.	111.587	52.956	0.331	222.843
87	25	0N-0W	2-6		0.73	0.41	.	117.846	55.229	1.814	233.877
88	25	0N-100W	6-12		0.76	0.40	.	115.759	54.305	1.670	229.849

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	27	50E-0N	1-4		0.56	.	882.35	252.782	351.273	1413.42
2	27	50E-0N	4-6		0.36	.	264.61	234.176	-227.375	756.59
3	27	100N-50E	2-4		0.37	.	295.49	233.502	-195.071	786.06
4	27	100N-50E	4-6		0.38	.	326.38	232.999	-163.128	815.89
5	27	50E-200N	2-4		0.37	.	295.49	233.502	-195.071	786.06
6	27	50E-200N	0-2		0.27	.	-13.37	247.625	-533.612	506.86
7	27	300N-50E	2-4		0.30	.	79.29	241.724	-428.553	587.13
8	27	50E-500N	6-8		0.58	.	944.12	258.040	402.001	1486.24
9	27	50E-500N	10-12		0.38	.	326.38	232.999	-163.128	815.89
10	27	400N-100W	0-3		0.35	.	233.72	235.021	-260.037	727.48
11	27	400N-100W	3-5		0.52	.	758.80	243.922	246.339	1271.26
12	27	400N-100W	5-7		0.34	.	202.83	236.034	-293.053	698.72
13	27	300N-100W	2-4		0.50	.	697.02	240.381	192.005	1202.04
14	27	300N-100W	12-14		0.28	.	17.51	245.509	-498.279	533.30
15	27	100W-200N	6-8		0.42	.	449.93	232.721	-38.996	938.85
16	27	100W-200N	0-2		0.34	.	202.83	236.034	-293.053	698.72
17	27	100N-100W	6-8		0.53	.	789.68	245.921	273.028	1306.34
18	27	100N-100W	4-6		0.53	.	789.68	245.921	273.028	1306.34
19	27	0N-100W	6-8		0.45	.	542.59	234.332	50.280	1034.90
20	27	0N-100W	3-6		0.55	.	851.46	250.354	325.487	1377.43
21	27	0N-100W	0-3		0.47	.	604.36	236.257	108.009	1100.72
22	27	0N-200W	3-6		0.61	.	1036.78	266.870	476.110	1597.45
23	27	0N-200W	6-8		0.51	.	727.91	242.075	219.334	1236.49
24	27	100N-200W	3-6		0.59	.	975.01	260.861	426.960	1523.05
25	27	100N-200W	0-3		0.51	.	727.91	242.075	219.334	1236.49
26	27	100N-200W	6-8		0.37	.	295.49	233.502	-195.071	786.06
27	27	200N-200W	3-5		0.59	.	975.01	260.861	426.960	1523.05
28	27	200N-200W	8-10		0.30	.	79.29	241.724	-428.553	587.13
29	27	300N-200W	3-6		0.46	.	573.48	235.210	79.321	1067.63
30	27	300N-200W	0-3		0.29	.	48.40	243.541	-463.257	560.06
31	27	400N-200W	0-3		0.46	.	573.48	235.210	79.321	1067.63
32	27	400N-200W	9-12		0.31	.	110.17	240.061	-394.173	614.52
33	27	300N-200W			0.42	.	449.93	232.721	-38.996	938.85
34	27	300N-200W	0-2		0.29	.	48.40	243.541	-463.257	560.06
35	27	300N-300W	6-8		0.25	.	-75.15	252.286	-605.177	454.88

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	27	300N-300W	0-3		0.37	.	295.49	233.502	-195.071	786.06
37	27	300W-200N	2-4		0.52	.	758.80	243.922	246.339	1271.26
38	27	100N-300W	0-2		0.44	.	511.70	233.623	20.882	1002.52
39	27	100N-300W	2-4		0.58	.	944.12	258.040	402.001	1486.24
40	27	0N-300W	4-6		0.59	.	975.01	260.861	426.960	1523.05
41	27	0N-300W	9-12		0.47	.	604.36	236.257	108.009	1100.72
42	27	0N-400W	6-7		0.38	.	326.38	232.999	-163.128	815.89
43	27	400W-100N	0-10		0.34	.	202.83	236.034	-293.053	698.72
44	27	400W-100N	3-6		0.53	.	789.68	245.921	273.028	1306.34
45	27	200N-400W	6-8		0.51	.	727.91	242.075	219.334	1236.49
46	27	200N-400W	0-2		0.55	.	851.46	250.354	325.487	1377.43
47	27	300N-400W	3-6		0.61	.	1036.78	266.870	476.110	1597.45
48	27	400N-400W	2-4		0.50	.	697.02	240.381	192.005	1202.04
49	27	500W-400N	0-2		0.45	.	542.59	234.332	50.280	1034.90
50	27	500W-400N	4-6		0.37	.	295.49	233.502	-195.071	786.06
51	27	300N-500W	4-6		0.50	.	697.02	240.381	192.005	1202.04
52	27	500W-200N	3-5		0.51	.	727.91	242.075	219.334	1236.49
53	27	500W-200N	5-8		0.28	.	17.51	245.509	-498.279	533.30
54	27	500W-100N	2-4		0.40	.	388.16	232.512	-100.332	876.64
55	27	500W-100N	8-10		0.31	.	110.17	240.061	-394.173	614.52
56	27	500W-100N	0-2		0.37	.	295.49	233.502	-195.071	786.06
57	27	500W-0N	4-5		0.48	.	635.25	237.469	136.349	1134.15
58	27	600W-0N	2-4		0.59	.	975.01	260.861	426.960	1523.05
59	27	600W-0N	5-7		0.36	.	264.61	234.176	-227.375	756.59
60	27	600W-100N	2-4		0.38	.	326.38	232.999	-163.128	815.89
61	27	600W-200N	1-3		0.39	.	357.27	232.669	-131.547	846.08
62	27	300N-600W	2-4		0.49	.	666.14	238.845	164.345	1167.93
63	27	300N-600W	7-9		0.31	.	110.17	240.061	-394.173	614.52
64	27	600W-400N	2-4		0.53	.	789.68	245.921	273.028	1306.34
65	27	600W-400N	4-8		0.29	.	48.40	243.541	-463.257	560.06
66	27	600W-400N	10-12		0.37	.	295.49	233.502	-195.071	786.06
67	27	200N-200W	3-5	8-61051	0.51	740.0	727.91	242.075	219.334	1236.49
68	27	0N-50E	1-4	8-61052	0.38	210.0	326.38	232.999	-163.128	815.89
69	27	200N-200W	8-10	8-61053	0.29	13.9	48.40	243.541	-463.257	560.06
70	27	200N-50E	0-2	8-61054	0.31	670.0	110.17	240.061	-394.173	614.52

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
71	27	300N-30W	6-8	8-61055	0.32	11.1	141.06	238.557	-360.126	642.25
72	27	400N-600W	4-8	8-61056	0.35	55.6	233.72	235.021	-260.037	727.48
73	27	300N-200W	3-6	8-61058	0.36	680.0	264.61	234.176	-227.375	756.59
74	27	300N-600W	7-9	8-61059	0.38	13.9	326.38	232.999	-163.128	815.89
75	27	300N-500W	4-6	8-61060	0.39	106.0	357.27	232.669	-131.547	846.08
76	27	100N-400W	3-6	8-61064	0.43	770.0	480.82	233.086	-8.876	970.51
77	27	100N-500W	2-4	8-61065	0.49	730.0	666.14	238.845	164.345	1167.93
78	27	0N-600W	2-4	8-61066	0.48	690.0	635.25	237.469	136.349	1134.15
79	27	400N-100W	0-3	8-61067	0.42	620.0	449.93	232.721	-38.996	938.85
80	27	400N-100W	5-7	8-61068	0.33	40.4	171.95	237.214	-326.417	670.31
81	27	300N-100W	2-4	8-61069	0.46	540.0	573.48	235.210	79.321	1067.63
82	27	0N-100W	3-6	8-61070	0.35	49.6	233.72	235.021	-260.037	727.48
83	27	0N-100W	0-3	8-61071	0.53	820.0	789.68	245.921	273.028	1306.34
84	27	100N-300W	2-4	8-61072	0.59	890.0	975.01	260.861	426.960	1523.05
85	27	100N-300W	0-2	8-61073	0.35	280:0	233.72	235.021	-260.037	727.48
86	27	100N-50E	2-4	8-61074	0.36	79.7	264.61	234.176	-227.375	756.59

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



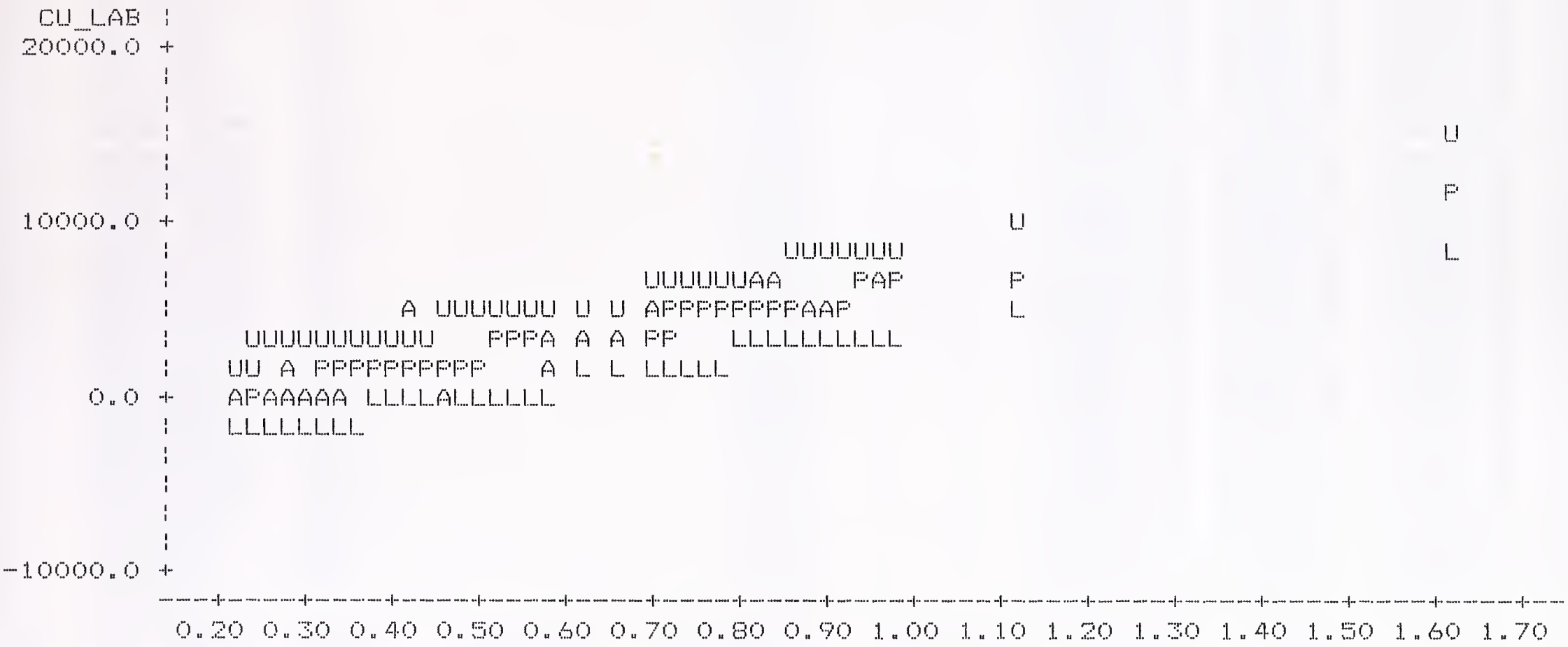
NOTE: 66 obs had missing values 170 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	27	50E-0N	1-4		0.73	.	4193.55	1050.04	1987.50	6399.59
2	27	50E-0N	4-6		0.41	.	1618.17	1041.49	-569.89	3806.24
3	27	100N-50E	2-4		0.27	.	491.45	1063.31	-1742.47	2725.36
4	27	100N-50E	4-6		0.23	.	169.52	1072.27	-2083.22	2422.27
5	27	50E-200N	2-4		0.48	.	2181.54	1036.34	4.28	4358.79
6	27	50E-200N	0-2		0.24	.	250.00	1069.92	-1997.80	2497.81
7	27	300N-50E	2-4		0.26	.	410.96	1065.44	-1827.43	2649.36
8	27	50E-500N	6-8		0.93	.	5803.16	1095.72	3501.14	8105.17
9	27	50E-500N	10-12		0.28	.	571.93	1061.25	-1657.67	2801.52
10	27	400N-100W	0-3		0.44	.	1859.61	1038.80	-322.81	4042.04
11	27	400N-100W	3-5		0.78	.	4595.95	1058.69	2371.73	6820.17
12	27	400N-100W	5-7		0.25	.	330.48	1067.64	-1912.54	2573.51
13	27	300N-100W	2-4		0.42	.	1698.65	1040.51	-487.37	3884.67
14	27	300N-100W	12-14		1.61	.	11275.83	1426.01	8279.92	14271.74
15	27	100W-200N	6-8		0.47	.	2101.05	1036.83	-77.24	4279.35
16	27	100W-200N	0-2		0.36	.	1215.77	1047.54	-985.02	3416.56
17	27	100N-100W	6-8		0.98	.	6205.56	1111.55	3870.29	8540.83
18	27	100N-100W	4-6		0.88	.	5400.75	1081.59	3128.43	7673.08
19	27	0N-100W	6-8		0.52	.	2503.46	1035.16	328.68	4678.24
20	27	0N-100W	3-6		0.95	.	5964.12	1101.86	3649.22	8279.02
21	27	0N-100W	0-3		0.71	.	4032.59	1047.12	1832.68	6232.49
22	27	0N-200W	3-6		0.72	.	4113.07	1048.54	1910.17	6315.96
23	27	0N-200W	6-8		0.78	.	4595.95	1058.69	2371.73	6820.17
24	27	100N-200W	3-6		0.85	.	5159.31	1073.96	2903.02	7415.60
25	27	100N-200W	0-3		0.86	.	5239.79	1076.43	2978.31	7501.28
26	27	100N-200W	6-8		0.33	.	974.33	1052.11	-1236.06	3184.71
27	27	200N-200W	3-5		0.54	.	2664.42	1035.06	489.86	4838.98
28	27	200N-200W	8-10		0.38	.	1376.73	1044.88	-818.47	3571.93
29	27	300N-200W	3-6		0.42	.	1698.65	1040.51	-487.37	3884.67
30	27	300N-200W	0-3		0.53	.	2583.94	1035.07	409.35	4758.52
31	27	400N-200W	0-3		0.63	.	3388.74	1038.57	1206.80	5570.69
32	27	400N-200W	9-12		0.23	.	169.52	1072.27	-2083.22	2422.27
33	27	300N-200W			0.53	.	2583.94	1035.07	409.35	4758.52
34	27	300N-200W	0-2		0.32	.	893.85	1053.79	-1320.06	3107.76
35	27	300N-300W	6-8		0.29	.	652.41	1059.27	-1573.03	2877.84

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	27	300N-300W	0-3		0.29	.	652.41	1059.27	-1573.03	2877.84
37	27	300W-200N	2-4		0.59	.	3066.82	1036.20	889.85	5243.79
38	27	100N-300W	0-2		0.57	.	2905.86	1035.50	730.36	5081.36
39	27	100N-300W	2-4		0.81	.	4837.39	1064.79	2600.36	7074.42
40	27	0N-300W	4-6		0.81	.	4837.39	1064.79	2600.36	7074.42
41	27	0N-300W	9-12		0.42	.	1698.65	1040.51	-487.37	3884.67
42	27	0N-400W	6-7		0.29	.	652.41	1059.27	-1573.03	2877.84
43	27	400W-100N	0-10		0.27	.	491.45	1063.31	-1742.47	2725.36
44	27	400W-100N	3-6		0.72	.	4113.07	1048.54	1910.17	6315.96
45	27	200N-400W	6-8		0.49	.	2262.02	1035.92	85.64	4438.39
46	27	200N-400W	0-2		0.58	.	2986.34	1035.81	810.19	5162.49
47	27	300N-400W	3-6		0.66	.	3630.18	1041.18	1442.75	5817.62
48	27	400N-400W	2-4		0.75	.	4354.51	1053.28	2141.67	6567.34
49	27	500W-400N	0-2		0.63	.	3388.74	1038.57	1206.80	5570.69
50	27	500W-400N	4-6		0.51	.	2422.98	1035.33	247.83	4598.12
51	27	300N-500W	4-6		0.95	.	5964.12	1101.86	3649.22	8279.02
52	27	500W-200N	3-5		0.33	.	974.33	1052.11	-1236.06	3184.71
53	27	500W-200N	5-8		0.39	.	1457.21	1043.67	-735.45	3649.87
54	27	500W-100N	2-4		0.75	.	4354.51	1053.28	2141.67	6567.34
55	27	500W-100N	8-10		0.24	.	250.00	1069.92	-1997.80	2497.81
56	27	500W-100N	0-2		0.44	.	1859.61	1038.80	-322.81	4042.04
57	27	500W-0N	4-5		0.70	.	3952.11	1045.78	1755.02	6149.19
58	27	600W-0N	2-4		1.13	.	7412.77	1168.51	4957.83	9867.71
59	27	600W-0N	5-7		0.28	.	571.93	1061.25	-1657.67	2801.52
60	27	600W-100N	2-4		0.55	.	2744.90	1035.12	570.20	4919.60
61	27	600W-200N	1-3		0.35	.	1135.29	1048.99	-1068.53	3339.11
62	27	300N-600W	2-4		0.77	.	4515.47	1056.81	2295.20	6735.74
63	27	300N-600W	7-9		0.23	.	169.52	1072.27	-2083.22	2422.27
64	27	600W-400N	2-4		0.78	.	4595.95	1058.69	2371.73	6820.17
65	27	600W-400N	4-8		0.29	.	652.41	1059.27	-1573.03	2877.84
66	27	600W-400N	10-12		0.23	.	169.52	1072.27	-2083.22	2422.27
67	27	200N-200W	3-5	8-61051	0.84	5860.0	5078.83	1071.56	2827.59	7330.08
68	27	0N-50E	1-4	8-61052	0.59	1770.0	3066.82	1036.20	889.85	5243.79
69	27	200N-200W	8-10	8-61053	0.22	42.0	89.04	1074.69	-2168.79	2346.88
70	27	200N-50E	0-2	8-61054	0.28	2330.0	571.93	1061.25	-1657.67	2801.52

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
71	27	300N-30W	6-8	8-61055	0.30	76.0	732.89	1057.37	-1488.55	2954.32
72	27	400N-600W	4-8	8-61056	0.32	342.0	893.85	1053.79	-1320.06	3107.76
73	27	300N-200W	3-6	8-61058	0.43	4300.0	1779.13	1039.62	-405.00	3963.27
74	27	300N-600W	7-9	8-61059	0.26	37.0	410.96	1065.44	-1827.43	2649.36
75	27	300N-500W	4-6	8-61060	0.46	547.0	2020.57	1037.41	-158.93	4200.07
76	27	100N-400W	3-6	8-61064	0.71	4270.0	4032.59	1047.12	1832.68	6232.49
77	27	100N-500W	2-4	8-61065	0.89	4460.0	5481.24	1084.28	3203.26	7759.21
78	27	0N-600W	2-4	8-61066	0.83	6060.0	4998.35	1069.23	2752.00	7244.71
79	27	400N-100W	0-3	8-61067	0.58	3570.0	2986.34	1035.81	810.19	5162.49
80	27	400N-100W	5-7	8-61068	0.26	248.0	410.96	1065.44	-1827.43	2649.36
81	27	300N-100W	2-4	8-61069	0.66	4030.0	3630.18	1041.18	1442.75	5817.62
82	27	0N-100W	3-6	8-61070	0.27	340.0	491.45	1063.31	-1742.47	2725.36
83	27	0N-100W	0-3	8-61071	0.90	5300.0	5561.72	1087.04	3277.95	7845.48
84	27	100N-300W	2-4	8-61072	0.96	5890.0	6044.60	1105.02	3723.05	8366.15
85	27	100N-300W	0-2	8-61073	0.63	2770.0	3388.74	1038.57	1206.80	5570.69
86	27	100N-50E	2-4	8-61074	0.34	483.0	1054.81	1050.51	-1152.21	3261.83

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L



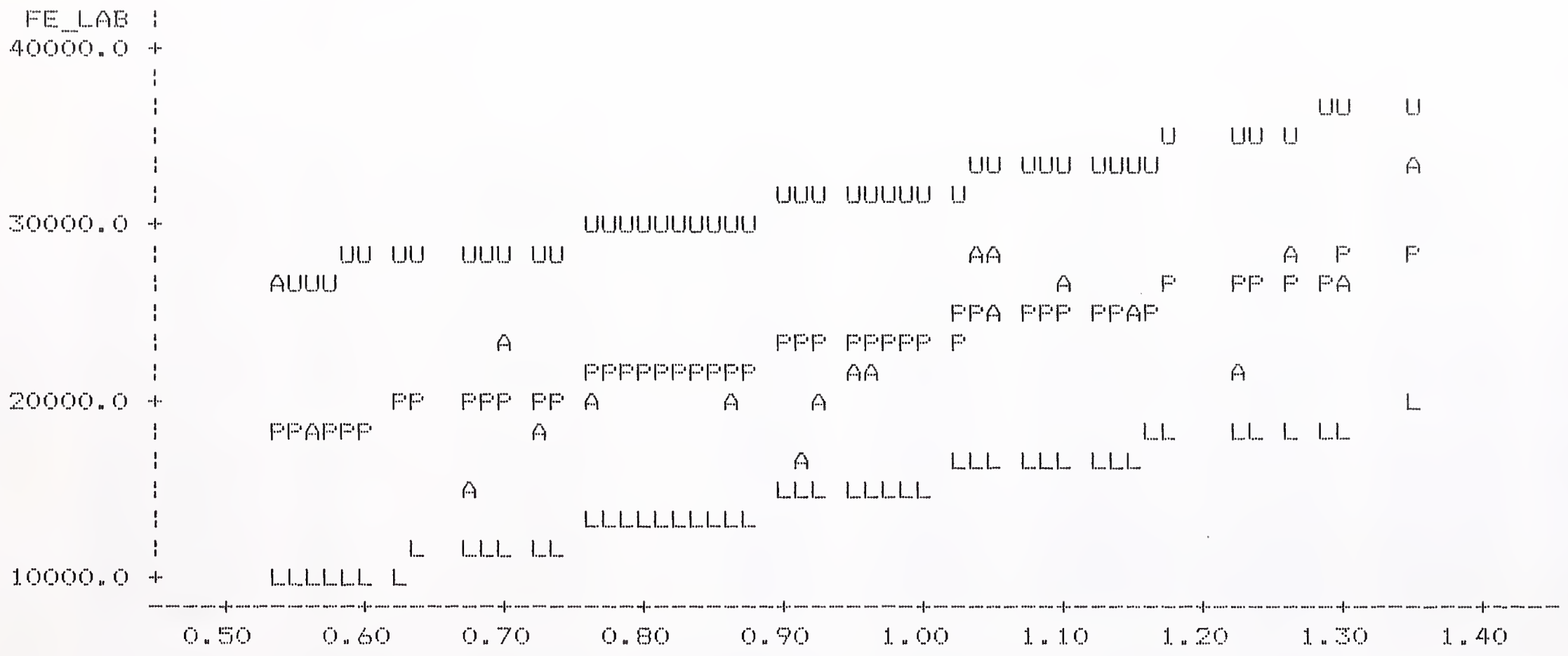
NOTE: 66 obs had missing values 156 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	27	50E-0N	1-4		0.96	.	23416.28	3878.39	15268.15	31564.42
2	27	50E-0N	4-6		0.76	.	21005.97	3941.54	12725.15	29286.78
3	27	100N-50E	2-4		0.87	.	22331.64	3890.35	14158.38	30504.90
4	27	100N-50E	4-6		0.97	.	23536.80	3878.74	15387.92	31685.68
5	27	50E-200N	2-4		0.67	.	19921.32	4012.35	11491.75	28350.90
6	27	50E-200N	0-2		0.54	.	18354.62	4157.66	9619.76	27089.48
7	27	300N-50E	2-4		0.56	.	18595.65	4132.16	9914.36	27276.94
8	27	50E-500N	6-8		1.17	.	25947.12	3955.78	17636.38	34257.85
9	27	50E-500N	10-12		0.85	.	22090.61	3896.69	13904.03	30277.19
10	27	400N-100W	0-3		0.56	.	18595.65	4132.16	9914.36	27276.94
11	27	400N-100W	3-5		0.84	.	21970.09	3900.36	13775.80	30164.39
12	27	400N-100W	5-7		0.81	.	21608.55	3913.35	13386.96	29830.13
13	27	300N-100W	2-4		0.82	.	21729.06	3908.69	13517.27	29940.86
14	27	300N-100W	12-14		0.56	.	18595.65	4132.16	9914.36	27276.94
15	27	100W-200N	6-8		0.99	.	23777.83	3880.46	15625.34	31930.32
16	27	100W-200N	0-2		0.60	.	19077.71	4084.52	10496.51	27658.92
17	27	100N-100W	6-8		1.14	.	25585.57	3935.87	17316.67	33854.47
18	27	100N-100W	4-6		1.03	.	24259.89	3887.93	16091.72	32428.07
19	27	0N-100W	6-8		0.68	.	20041.84	4003.24	11631.40	28452.28
20	27	0N-100W	3-6		1.12	.	25344.54	3924.20	17100.15	33588.92
21	27	0N-100W	0-3		0.73	.	20644.42	3962.32	12319.95	28968.89
22	27	0N-200W	3-6		1.24	.	26790.73	4013.28	18359.20	35222.26
23	27	0N-200W	6-8		1.16	.	25826.60	3948.83	17530.48	34122.72
24	27	100N-200W	3-6		1.02	.	24139.38	3885.56	15976.18	32302.58
25	27	100N-200W	0-3		0.90	.	22693.19	3883.34	14534.65	30851.72
26	27	100N-200W	6-8		1.12	.	25344.54	3924.20	17100.15	33588.92
27	27	200N-200W	3-5		1.29	.	27393.31	4063.50	18856.26	35930.35
28	27	200N-200W	8-10		0.91	.	22813.70	3881.67	14658.67	30968.74
29	27	300N-200W	3-6		0.56	.	18595.65	4132.16	9914.36	27276.94
30	27	300N-200W	0-3		0.59	.	18957.20	4096.01	10351.87	27562.53
31	27	400N-200W	0-3		1.18	.	26067.63	3963.06	17741.61	34393.66
32	27	400N-200W	9-12		1.04	.	24380.41	3890.63	16206.55	32554.27
33	27	300N-200W			0.84	.	21970.09	3900.36	13775.80	30164.39
34	27	300N-200W	0-2		0.74	.	20764.94	3955.07	12455.69	29074.18
35	27	300N-300W	6-8		0.64	.	19559.78	4041.50	11068.96	28050.60

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	27	300N-300W	0-3		0.62	.	19318.75	4062.43	10783.96	27853.53
37	27	300W-200N	2-4		0.80	.	21488.03	3918.34	13255.97	29720.10
38	27	100N-300W	0-2		0.77	.	21126.48	3935.25	12858.88	29394.09
39	27	100N-300W	2-4		1.18	.	26067.63	3963.06	17741.61	34393.66
40	27	0N-300W	4-6		1.18	.	26067.63	3963.06	17741.61	34393.66
41	27	0N-300W	9-12		0.73	.	20644.42	3962.32	12319.95	28968.89
42	27	0N-400W	6-7		1.07	.	24741.96	3900.74	16546.86	32937.06
43	27	400W-100N	0-10		0.55	.	18475.13	4144.77	9767.35	27182.92
44	27	400W-100N	3-6		1.00	.	23898.35	3881.82	15742.99	32053.70
45	27	200N-400W	6-8		1.29	.	27393.31	4063.50	18856.26	35930.35
46	27	200N-400W	0-2		0.99	.	23777.83	3880.46	15625.34	31930.32
47	27	300N-400W	3-6		0.78	.	21247.00	3929.29	12991.92	29502.08
48	27	400N-400W	2-4		0.90	.	22693.19	3883.34	14534.65	30851.72
49	27	500W-400N	0-2		1.09	.	24982.99	3909.14	16770.25	33195.73
50	27	500W-400N	4-6		0.79	.	21367.51	3923.65	13124.28	29610.74
51	27	300N-500W	4-6		1.04	.	24380.41	3890.63	16206.55	32554.27
52	27	500W-200N	3-5		0.87	.	22331.64	3890.35	14158.38	30504.90
53	27	500W-200N	5-8		0.83	.	21849.58	3904.36	13646.88	30052.27
54	27	500W-100N	2-4		0.70	.	20282.87	3985.94	11908.78	28656.96
55	27	500W-100N	8-10		0.58	.	18836.68	4107.77	10206.62	27466.74
56	27	500W-100N	0-2		0.70	.	20282.87	3985.94	11908.78	28656.96
57	27	500W-0N	4-5		0.81	.	21608.55	3913.35	13386.96	29830.13
58	27	600W-0N	2-4		0.98	.	23657.32	3879.43	15506.98	31807.65
59	27	600W-0N	5-7		0.74	.	20764.94	3955.07	12455.69	29074.18
60	27	600W-100N	2-4		0.67	.	19921.32	4012.35	11491.75	28350.90
61	27	600W-200N	1-3		0.67	.	19921.32	4012.35	11491.75	28350.90
62	27	300N-600W	2-4		0.86	.	22211.13	3893.35	14031.55	30390.70
63	27	300N-600W	7-9		0.85	.	22090.61	3896.69	13904.03	30277.19
64	27	600W-400N	2-4		0.90	.	22693.19	3883.34	14534.65	30851.72
65	27	600W-400N	4-8		0.69	.	20162.36	3994.43	11770.42	28554.30
66	27	600W-400N	10-12		0.82	.	21729.06	3908.69	13517.27	29940.86
67	27	200N-200W	3-5	8-61051	1.10	26800.0	25103.51	3913.83	16880.90	33326.11
68	27	0N-50E	1-4	8-61052	0.70	22600.0	20282.87	3985.94	11908.78	28656.96
69	27	200N-200W	8-10	8-61053	1.04	28200.0	24380.41	3890.63	16206.55	32554.27
70	27	200N-50E	0-2	8-61054	0.54	27200.0	18354.62	4157.66	9619.76	27089.48

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
71	27	300N-30W	6-8	8-61055	1.35	33800.0	28116.40	4133.41	19432.49	36800.31
72	27	400N-600W	4-8	8-61056	0.91	17400.0	22813.70	3881.67	14658.67	30968.74
73	27	300N-200W	3-6	8-61058	0.56	19000.0	18595.65	4132.16	9914.36	27276.94
74	27	300N-600W	7-9	8-61059	1.30	27000.0	27513.82	4074.44	18953.81	36073.84
75	27	300N-500W	4-6	8-61060	0.93	20200.0	23054.74	3879.35	14904.58	31204.89
76	27	100N-400W	3-6	8-61064	1.05	28600.0	24500.93	3893.67	16320.69	32681.17
77	27	100N-500W	2-4	8-61065	0.86	20400.0	22211.13	3893.35	14031.55	30390.70
78	27	0N-600W	2-4	8-61066	0.95	22000.0	23295.77	3878.37	15147.66	31443.87
79	27	400N-100W	0-3	8-61067	0.72	18800.0	20523.90	3969.88	12183.56	28864.25
80	27	400N-100W	5-7	8-61068	0.68	14800.0	20041.84	4003.24	11631.40	28452.28
81	27	300N-100W	2-4	8-61069	1.22	21400.0	26549.70	3995.30	18155.93	34943.46
82	27	0N-100W	3-6	8-61070	1.15	24600.0	25706.08	3942.19	17423.91	33988.26
83	27	0N-100W	0-3	8-61071	1.05	24400.0	24500.93	3893.67	16320.69	32681.17
84	27	100N-300W	2-4	8-61072	1.26	28400.0	27031.76	4032.47	18559.91	35503.61
85	27	100N-300W	0-2	8-61073	0.76	19800.0	21005.97	3941.54	12725.15	29286.78
86	27	100N-50E	2-4	8-61074	0.96	21600.0	23416.28	3878.39	15268.15	31564.42

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L



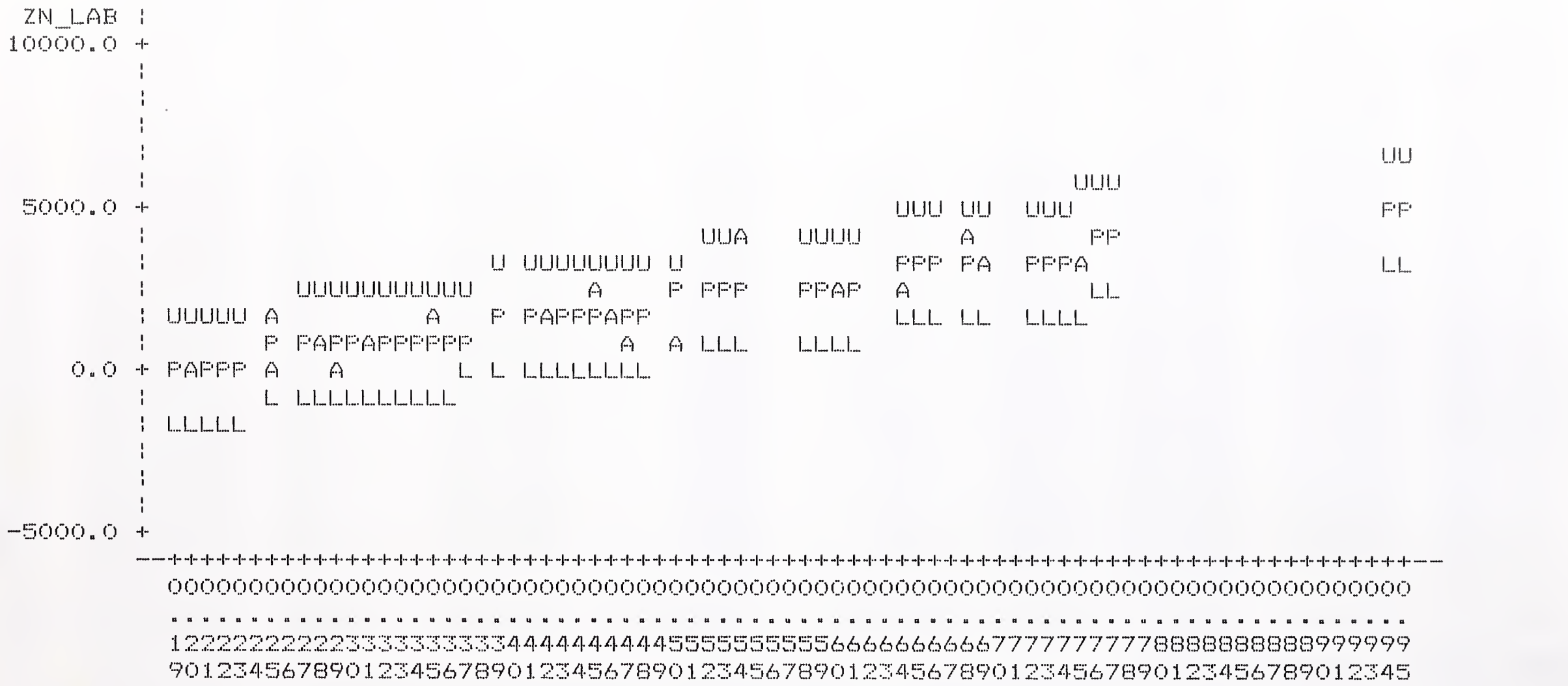
NOTE: 66 obs had missing values 117 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	27	50E-0N	1-4		0.66	.	3150.49	786.112	1498.95	4802.04
2	27	50E-0N	4-6		0.34	.	1032.76	759.207	-562.26	2627.78
3	27	100N-50E	2-4		0.29	.	701.86	766.448	-908.37	2312.10
4	27	100N-50E	4-6		0.23	.	304.79	779.077	-1331.98	1941.56
5	27	50E-200N	2-4		0.41	.	1496.01	754.250	-88.60	3080.62
6	27	50E-200N	0-2		0.23	.	304.79	779.077	-1331.98	1941.56
7	27	300N-50E	2-4		0.28	.	635.69	768.259	-978.36	2249.73
8	27	50E-500N	6-8		0.77	.	3878.46	822.874	2149.68	5607.25
9	27	50E-500N	10-12		0.27	.	569.51	770.189	-1048.59	2187.60
10	27	400N-100W	0-3		0.36	.	1165.12	757.168	-425.62	2755.86
11	27	400N-100W	3-5		0.65	.	3084.31	783.411	1438.44	4730.19
12	27	400N-100W	5-7		0.22	.	238.61	781.587	-1403.43	1880.65
13	27	300N-100W	2-4		0.39	.	1363.66	755.042	-222.62	2949.93
14	27	300N-100W	12-14		0.94	.	5003.51	902.041	3108.41	6898.62
15	27	100W-200N	6-8		0.39	.	1363.66	755.042	-222.62	2949.93
16	27	100W-200N	0-2		0.32	.	900.40	761.738	-699.94	2500.74
17	27	100N-100W	6-8		0.73	.	3613.75	808.058	1916.09	5311.40
18	27	100N-100W	4-6		0.74	.	3679.93	811.612	1974.81	5385.05
19	27	0N-100W	6-8		0.43	.	1628.37	753.961	44.37	3212.38
20	27	0N-100W	3-6		0.77	.	3878.46	822.874	2149.68	5607.25
21	27	0N-100W	0-3		0.65	.	3084.31	783.411	1438.44	4730.19
22	27	0N-200W	3-6		0.59	.	2687.24	769.597	1070.39	4304.09
23	27	0N-200W	6-8		0.61	.	2819.60	773.739	1194.04	4445.15
24	27	100N-200W	3-6		0.76	.	3812.29	819.021	2091.60	5532.97
25	27	100N-200W	0-3		0.66	.	3150.49	786.112	1498.95	4802.04
26	27	100N-200W	6-8		0.33	.	966.58	760.411	-630.97	2564.14
27	27	200N-200W	3-5		0.45	.	1760.73	754.174	176.28	3345.18
28	27	200N-200W	8-10		0.28	.	635.69	768.259	-978.36	2249.73
29	27	300N-200W	3-6		0.44	.	1694.55	754.005	110.46	3278.65
30	27	300N-200W	0-3		0.47	.	1893.09	754.891	307.13	3479.05
31	27	400N-200W	0-3		0.50	.	2091.63	756.905	501.44	3681.81
32	27	400N-200W	9-12		0.22	.	238.61	781.587	-1403.43	1880.65
33	27	300N-200W			0.48	.	1959.27	755.437	372.16	3546.37
34	27	300N-200W	0-2		0.30	.	768.04	764.758	-838.64	2374.73
35	27	300N-300W	6-8		0.29	.	701.86	766.448	-908.37	2312.10

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	27	300N-300W	0-3		0.28	.	635.69	768.259	-978.36	2249.73
37	27	300W-200N	2-4		0.52	.	2223.99	758.869	629.67	3818.30
38	27	100N-300W	0-2		0.58	.	2621.06	767.703	1008.19	4233.93
39	27	100N-300W	2-4		0.68	.	3282.85	791.845	1619.26	4946.45
40	27	0N-300W	4-6		0.72	.	3547.57	804.606	1857.17	5237.97
41	27	0N-300W	9-12		0.37	.	1231.30	756.334	-357.69	2820.29
42	27	0N-400W	6-7		0.27	.	569.51	770.189	-1048.59	2187.60
43	27	400W-100N	0-10		0.25	.	437.15	774.401	-1189.80	2064.09
44	27	400W-100N	3-6		0.65	.	3084.31	783.411	1438.44	4730.19
45	27	200N-400W	6-8		0.44	.	1694.55	754.005	110.46	3278.65
46	27	200N-400W	0-2		0.47	.	1893.09	754.891	307.13	3479.05
47	27	300N-400W	3-6		0.53	.	2290.16	760.037	693.40	3886.93
48	27	400N-400W	2-4		0.60	.	2753.42	771.609	1132.34	4374.50
49	27	500W-400N	0-2		0.46	.	1826.91	754.470	241.84	3411.98
50	27	500W-400N	4-6		0.39	.	1363.66	755.042	-222.62	2949.93
51	27	300N-500W	4-6		0.76	.	3812.29	819.021	2091.60	5532.97
52	27	500W-200N	3-5		0.33	.	966.58	760.411	-630.97	2564.14
53	27	500W-200N	5-8		0.33	.	966.58	760.411	-630.97	2564.14
54	27	500W-100N	2-4		0.52	.	2223.99	758.869	629.67	3818.30
55	27	500W-100N	8-10		0.22	.	238.61	781.587	-1403.43	1880.65
56	27	500W-100N	0-2		0.42	.	1562.19	754.042	-21.98	3146.37
57	27	500W-0N	4-5		0.66	.	3150.49	786.112	1498.95	4802.04
58	27	600W-0N	2-4		0.95	.	5069.69	907.424	3163.28	6976.10
59	27	600W-0N	5-7		0.21	.	172.43	784.209	-1475.12	1819.98
60	27	600W-100N	2-4		0.44	.	1694.55	754.005	110.46	3278.65
61	27	600W-200N	1-3		0.31	.	834.22	763.187	-769.16	2437.61
62	27	300N-600W	2-4		0.64	.	3018.14	780.822	1377.70	4658.57
63	27	300N-600W	7-9		0.19	.	40.07	789.789	-1619.20	1699.35
64	27	600W-400N	2-4		0.69	.	3349.03	794.876	1679.07	5018.99
65	27	600W-400N	4-8		0.28	.	635.69	768.259	-978.36	2249.73
66	27	600W-400N	10-12		0.21	.	172.43	784.209	-1475.12	1819.98
67	27	200N-200W	3-5	8-61051	0.68	4260.0	3282.85	791.845	1619.26	4946.45
68	27	0N-50E	1-4	8-61052	0.46	1530.0	1826.91	754.470	241.84	3411.98
69	27	200N-200W	8-10	8-61053	0.20	212.0	106.25	786.944	-1547.04	1759.55
70	27	200N-50E	0-2	8-61054	0.25	1360.0	437.15	774.401	-1189.80	2064.09

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
71	27	300N-30W	6-8	8-61055	0.28	710.0	635.69	768.259	-978.36	2249.73
72	27	400N-600W	4-8	8-61056	0.29	350.0	701.86	766.448	-908.37	2312.10
73	27	300N-200W	3-6	8-61058	0.35	1450.0	1098.94	758.125	-493.81	2691.69
74	27	300N-600W	7-9	8-61059	0.25	76.0	437.15	774.401	-1189.80	2064.09
75	27	300N-500W	4-6	8-61060	0.42	1720.0	1562.19	754.042	-21.98	3146.37
76	27	100N-400W	3-6	8-61064	0.50	1050.0	2091.63	756.905	501.44	3681.81
77	27	100N-500W	2-4	8-61065	0.64	2770.0	3018.14	780.822	1377.70	4658.57
78	27	0N-600W	2-4	8-61066	0.60	2610.0	2753.42	771.609	1132.34	4374.50
79	27	400N-100W	0-3	8-61067	0.45	2240.0	1760.73	754.174	176.28	3345.18
80	27	400N-100W	5-7	8-61068	0.25	235.0	437.15	774.401	-1189.80	2064.09
81	27	300N-100W	2-4	8-61069	0.47	622.0	1893.09	754.891	307.13	3479.05
82	27	0N-100W	3-6	8-61070	0.25	285.0	437.15	774.401	-1189.80	2064.09
83	27	0N-100W	0-3	8-61071	0.69	3480.0	3349.03	794.876	1679.07	5018.99
84	27	100N-300W	2-4	8-61072	0.75	2930.0	3746.11	815.267	2033.31	5458.91
85	27	100N-300W	0-2	8-61073	0.54	4260.0	2356.34	761.327	756.87	3955.82
86	27	100N-50E	2-4	8-61074	0.31	616.0	834.22	763.187	-769.16	2437.61

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L



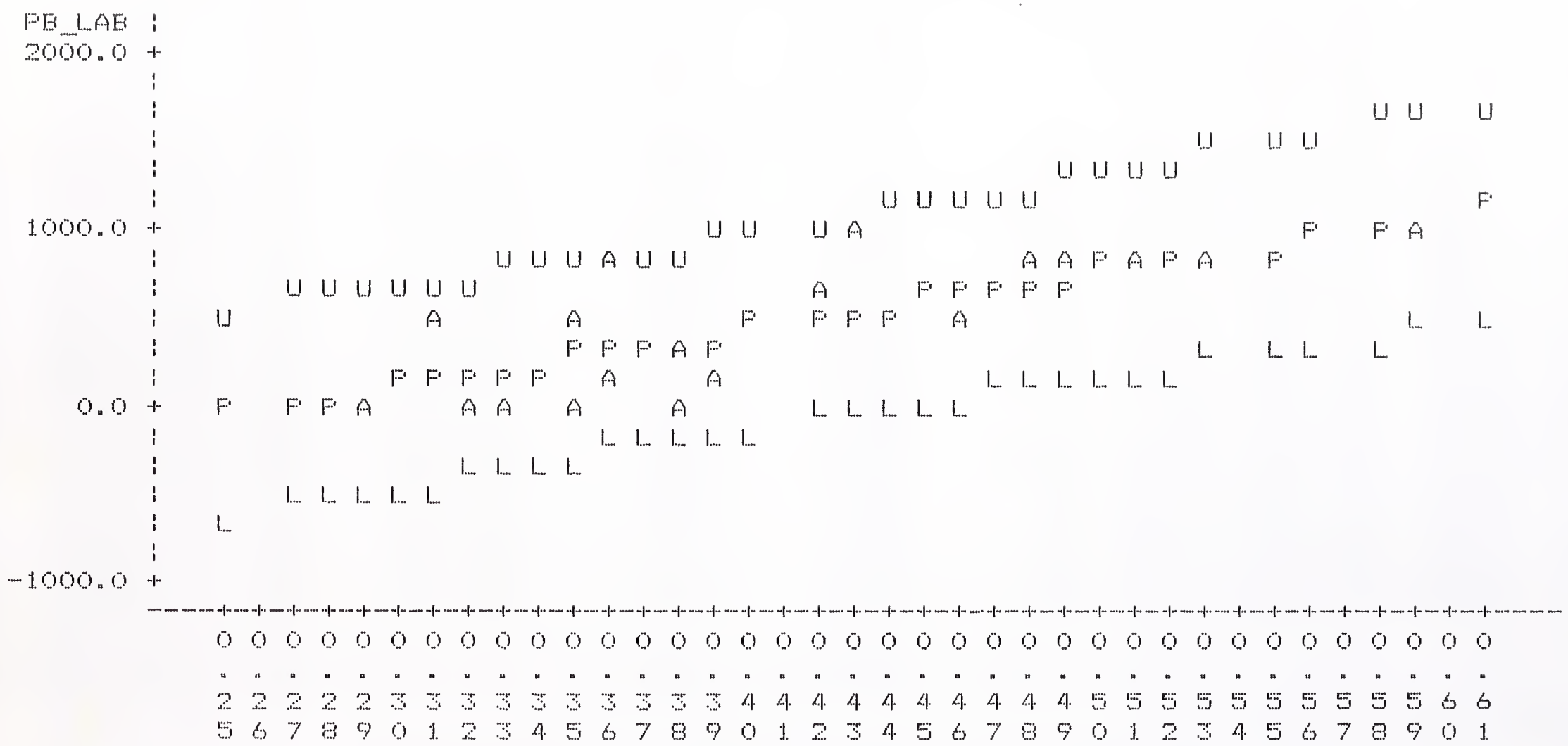
NOTE: 66 obs had missing values 130 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	27	50E-0N	1-4		0.96	0.56	.	942.79	282.896	348.449	1537.12
2	27	50E-0N	4-6		0.70	0.36	.	301.14	262.074	-249.455	851.73
3	27	100N-50E	2-4		0.68	0.37	.	333.22	261.319	-215.787	882.23
4	27	100N-50E	4-6		0.69	0.38	.	365.30	260.756	-182.522	913.13
5	27	50E-200N	2-4		0.65	0.37	.	333.22	261.319	-215.787	882.23
6	27	50E-200N	0-2		0.50	0.27	.	12.39	277.125	-569.819	594.61
7	27	300N-50E	2-4		0.54	0.30	.	108.64	270.520	-459.695	676.98
8	27	50E-500N	6-8		1.03	0.58	.	1006.95	288.780	400.252	1613.65
9	27	50E-500N	10-12		0.76	0.38	.	365.30	260.756	-182.522	913.13
10	27	400N-100W	0-3		0.67	0.35	.	269.05	263.019	-283.524	821.63
11	27	400N-100W	3-5		0.87	0.52	.	814.46	272.981	240.950	1387.96
12	27	400N-100W	5-7		0.66	0.34	.	236.97	264.153	-317.989	791.93
13	27	300N-100W	2-4		0.87	0.50	.	750.29	269.018	185.111	1315.47
14	27	300N-100W	12-14		0.50	0.28	.	44.48	274.756	-532.761	621.71
15	27	100W-200N	6-8		0.72	0.42	.	493.63	260.445	-53.539	1040.80
16	27	100W-200N	0-2		0.61	0.34	.	236.97	264.153	-317.989	791.93
17	27	100N-100W	6-8		0.90	0.53	.	846.54	275.217	268.334	1424.74
18	27	100N-100W	4-6		1.00	0.53	.	846.54	275.217	268.334	1424.74
19	27	0N-100W	6-8		0.79	0.45	.	589.88	262.247	38.922	1140.84
20	27	0N-100W	3-6		0.94	0.55	.	910.70	280.179	322.075	1499.33
21	27	0N-100W	0-3		0.80	0.47	.	654.04	264.402	98.560	1209.53
22	27	0N-200W	3-6		1.00	0.61	.	1103.20	298.662	475.737	1730.66
23	27	0N-200W	6-8		0.86	0.51	.	782.37	270.913	213.211	1351.54
24	27	100N-200W	3-6		1.00	0.59	.	1039.03	291.938	425.700	1652.37
25	27	100N-200W	0-3		0.86	0.51	.	782.37	270.913	213.211	1351.54
26	27	100N-200W	6-8		0.75	0.37	.	333.22	261.319	-215.787	882.23
27	27	200N-200W	3-5		1.03	0.59	.	1039.03	291.938	425.700	1652.37
28	27	200N-200W	8-10		0.53	0.30	.	108.64	270.520	-459.695	676.98
29	27	300N-200W	3-6		0.81	0.46	.	621.96	263.231	68.938	1174.99
30	27	300N-200W	0-3		0.51	0.29	.	76.56	272.553	-496.050	649.17
31	27	400N-200W	0-3		0.79	0.46	.	621.96	263.231	68.938	1174.99
32	27	400N-200W	9-12		0.54	0.31	.	140.72	268.660	-423.705	705.15
33	27	300N-200W			0.76	0.42	.	493.63	260.445	-53.539	1040.80
34	27	300N-200W	0-2		0.52	0.29	.	76.56	272.553	-496.050	649.17
35	27	300N-300W	6-8		0.47	0.25	.	-51.77	282.340	-644.941	541.40

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	27	300N-300W	0-3		0.67	0.37	.	333.22	261.319	-215.787	882.23
37	27	300W-200N	2-4		0.92	0.52	.	814.46	272.981	240.950	1387.96
38	27	100N-300W	0-2		0.78	0.44	.	557.80	261.454	8.506	1107.09
39	27	100N-300W	2-4		1.00	0.58	.	1006.95	288.780	400.252	1613.65
40	27	0N-300W	4-6		1.01	0.59	.	1039.03	291.938	425.700	1652.37
41	27	0N-300W	9-12		0.71	0.47	.	654.04	264.402	98.560	1209.53
42	27	0N-400W	6-7		0.72	0.38	.	365.30	260.756	-182.522	913.13
43	27	400W-100N	0-10		0.65	0.34	.	236.97	264.153	-317.989	791.93
44	27	400W-100N	3-6		0.92	0.53	.	846.54	275.217	268.334	1424.74
45	27	200N-400W	6-8		0.92	0.51	.	782.37	270.913	213.211	1351.54
46	27	200N-400W	0-2		0.95	0.55	.	910.70	280.179	322.075	1499.33
47	27	300N-400W	3-6		1.02	0.61	.	1103.20	298.662	475.737	1730.66
48	27	400N-400W	2-4		0.86	0.50	.	750.29	269.018	185.111	1315.47
49	27	500W-400N	0-2		0.77	0.45	.	589.88	262.247	38.922	1140.84
50	27	500W-400N	4-6		0.63	0.37	.	333.22	261.319	-215.787	882.23
51	27	300N-500W	4-6		0.92	0.50	.	750.29	269.018	185.111	1315.47
52	27	500W-200N	3-5		0.86	0.51	.	782.37	270.913	213.211	1351.54
53	27	500W-200N	5-8		0.52	0.28	.	44.48	274.756	-532.761	621.71
54	27	500W-100N	2-4		0.72	0.40	.	429.47	260.211	-117.213	976.15
55	27	500W-100N	8-10		0.61	0.31	.	140.72	268.660	-423.705	705.15
56	27	500W-100N	0-2		0.68	0.37	.	333.22	261.319	-215.787	882.23
57	27	500W-0N	4-5		0.80	0.48	.	686.13	265.759	127.792	1244.46
58	27	600W-0N	2-4		0.93	0.59	.	1039.03	291.938	425.700	1652.37
59	27	600W-0N	5-7		0.67	0.36	.	301.14	262.074	-249.455	851.73
60	27	600W-100N	2-4		0.72	0.38	.	365.30	260.756	-182.522	913.13
61	27	600W-200N	1-3		0.70	0.39	.	397.38	260.386	-149.663	944.43
62	27	300N-600W	2-4		0.86	0.49	.	718.21	267.299	156.640	1279.78
63	27	300N-600W	7-9		0.60	0.31	.	140.72	268.660	-423.705	705.15
64	27	600W-400N	2-4		0.95	0.53	.	846.54	275.217	268.334	1424.74
65	27	600W-400N	4-8		0.53	0.29	.	76.56	272.553	-496.050	649.17
66	27	600W-400N	10-12		0.71	0.37	.	333.22	261.319	-215.787	882.23
67	27	200N-200W	3-5	8-61051	0.89	0.51	850.0	782.37	270.913	213.211	1351.54
68	27	0N-50E	1-4	8-61052	0.68	0.38	290.0	365.30	260.756	-182.522	913.13
69	27	200N-200W	8-10	8-61053	0.55	0.29	19.0	76.56	272.553	-496.050	649.17
70	27	200N-50E	0-2	8-61054	0.55	0.31	570.0	140.72	268.660	-423.705	705.15

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
71	27	300N-30W	6-8	8-61055	0.61	0.32	28.0	172.81	266.976	-388.085	733.70
72	27	400N-600W	4-8	8-61056	0.67	0.35	68.0	269.05	263.019	-283.524	821.63
73	27	300N-200W	3-6	8-61058	0.69	0.36	870.0	301.14	262.074	-249.455	851.73
74	27	300N-600W	7-9	8-61059	0.72	0.38	21.0	365.30	260.756	-182.522	913.13
75	27	300N-500W	4-6	8-61060	0.70	0.39	94.0	397.38	260.386	-149.663	944.43
76	27	100N-400W	3-6	8-61064	0.78	0.43	960.0	525.71	260.853	-22.314	1073.74
77	27	100N-500W	2-4	8-61065	0.84	0.49	770.0	718.21	267.299	156.640	1279.78
78	27	0N-600W	2-4	8-61066	0.82	0.48	780.0	686.13	265.759	127.792	1244.46
79	27	400N-100W	0-3	8-61067	0.75	0.42	593.0	493.63	260.445	-53.539	1040.80
80	27	400N-100W	5-7	8-61068	0.63	0.33	41.0	204.89	265.473	-352.845	762.62
81	27	300N-100W	2-4	8-61069	0.82	0.46	526.0	621.96	263.231	68.938	1174.99
82	27	0N-100W	3-6	8-61070	0.67	0.35	77.0	269.05	263.019	-283.524	821.63
83	27	0N-100W	0-3	8-61071	0.92	0.53	781.0	846.54	275.217	268.334	1424.74
84	27	100N-300W	2-4	8-61072	0.98	0.59	945.0	1039.03	291.938	425.700	1652.37
85	27	100N-300W	0-2	8-61073	0.62	0.35	454.0	269.05	263.019	-283.524	821.63
86	27	100N-50E	2-4	8-61074	0.70	0.36	109.0	301.14	262.074	-249.455	851.73

Plot of PB_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

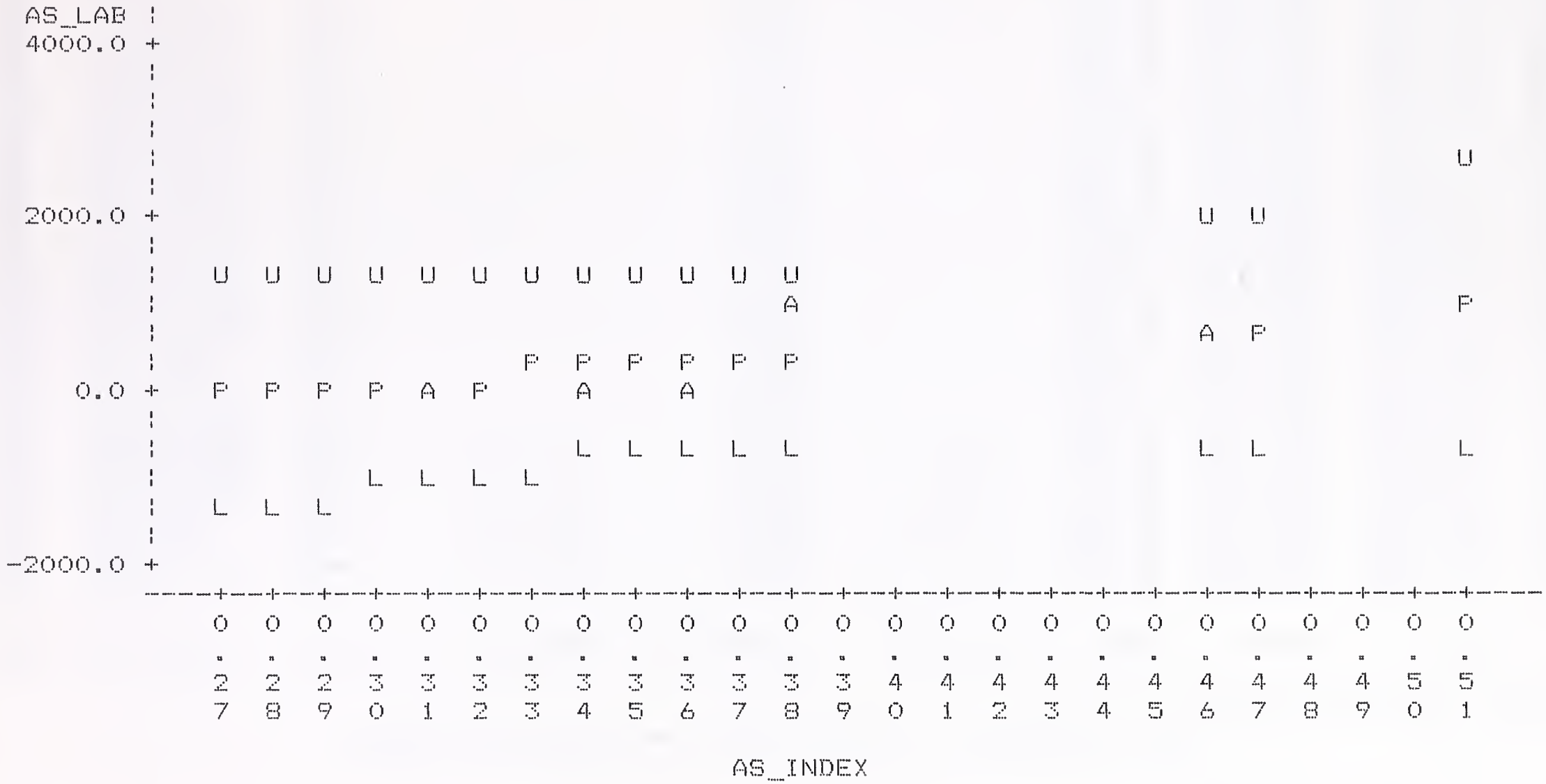


NOTE: 66 obs had missing values 170 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	28	0N-0E	2-4		0.30	.	59.40	375.424	-1135.39	1254.19
2	28	0N-0E	2-4		0.27	.	-75.39	420.027	-1412.13	1261.34
3	28	0S-100E	2-4		0.30	.	59.40	375.424	-1135.39	1254.19
4	28	100S-100E	2-4		0.28	.	-30.46	403.986	-1316.15	1255.23
5	28	200S-100E	4-6		0.30	.	59.40	375.424	-1135.39	1254.19
6	28	200S-100E	2-4		0.30	.	59.40	375.424	-1135.39	1254.19
7	28	100S-200E	2-4		0.35	.	284.06	331.117	-769.72	1337.84
8	28	0S-200E	4-6		0.32	.	149.26	352.487	-972.53	1271.05
9	28	0S-200E	2-4		0.37	.	373.92	326.888	-666.40	1414.24
10	28	300S-100E	2-4		0.35	.	284.06	331.117	-769.72	1337.84
11	28	100S-200E	4-6		0.36	.	328.99	327.950	-714.71	1372.69
12	28	200S-200E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
13	28	400S-0E	4-6		0.30	.	59.40	375.424	-1135.39	1254.19
14	28	500S-100E	2-4		0.34	.	239.13	336.328	-831.24	1309.49
15	28	500S-0E	4-6		0.29	.	14.47	389.074	-1223.76	1252.70
16	28	500S-0E	2-4		0.51	.	1002.96	493.161	-566.53	2572.44
17	28	400S-100E	2-4		0.34	.	239.13	336.328	-831.24	1309.49
18	28	300S-0E	2-4		0.31	.	104.33	363.180	-1051.49	1260.15
19	28	200S-0E	2-4		0.31	.	104.33	363.180	-1051.49	1260.15
20	28	200S-0E	4-6		0.34	.	239.13	336.328	-831.24	1309.49
21	28	100S-0W	2-4		0.29	.	14.47	389.074	-1223.76	1252.70
22	28	400S-0E	0-2		0.47	.	823.23	420.027	-513.50	2159.97
23	28	400S-0E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
24	28	100S-300E	6-8		0.32	.	149.26	352.487	-972.53	1271.05
25	28	10S-300E	6-8		0.30	.	59.40	375.424	-1135.39	1254.19
26	28	100S-500E	2-4		0.34	.	239.13	336.328	-831.24	1309.49
27	28	200S-500E	2-4		0.36	.	328.99	327.950	-714.71	1372.69
28	28	10S-500E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
29	28	200S-500E	6-8		0.33	.	194.20	343.491	-898.97	1287.36
30	28	400S-500E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
31	28	100S-500E	4-6		0.38	.	418.85	327.950	-624.85	1462.55
32	28	500S-500E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
33	28	500S-400E	2-4		0.36	.	328.99	327.950	-714.71	1372.69
34	28	500S-400E	6-8		0.37	.	373.92	326.888	-666.40	1414.24
35	28	400S-400E	2-4		0.34	.	239.13	336.328	-831.24	1309.49

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	28	100S-400E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
37	28	200S-400E	2-4		0.35	.	284.06	331.117	-769.72	1337.84
38	28	200S-400E	4-6		0.32	.	149.26	352.487	-972.53	1271.05
39	28	100S-400E	8-10		0.33	.	194.20	343.491	-898.97	1287.36
40	28	500S-200E	2-4		0.33	.	194.20	343.491	-898.97	1287.36
41	28	400S-300E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
42	28	300S-300E	6-8		0.35	.	284.06	331.117	-769.72	1337.84
43	28	300S-200E	6-8		0.31	.	104.33	363.180	-1051.49	1260.15
44	28	500S-300E	2-4		0.30	.	59.40	375.424	-1135.39	1254.19
45	28	200S-300E	2-4		0.29	.	14.47	389.074	-1223.76	1252.70
46	28	400S-200E	2-4		0.28	.	-30.46	403.986	-1316.15	1255.23
47	28	300S-200E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
48	28	300S-300E	2-4		0.35	.	284.06	331.117	-769.72	1337.84
49	28	200S-300E	8-10		0.32	.	149.26	352.487	-972.53	1271.05
50	28	500S-200E	8-10		0.27	.	-75.39	420.027	-1412.13	1261.34
51	28	10S-300E	2-4		0.37	.	373.92	326.888	-666.40	1414.24
52	28	100S-300E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
53	28	300S-400E	2-4		0.32	.	149.26	352.487	-972.53	1271.05
54	28	100S-500E	2-4	8-40191	0.36	110.0	328.99	327.950	-714.71	1372.69
55	28	400S-200E	2-4	8-40193	0.31	140.0	104.33	363.180	-1051.49	1260.15
56	28	400S-0E	0-2	8-40194	0.46	680.0	778.30	403.986	-507.39	2063.99
57	28	500S-0E	2-4	8-40195	0.38	850.0	418.85	327.950	-624.85	1462.55
58	28	500S-300E	2-4	8-40199	0.34	89.6	239.13	336.328	-831.24	1309.49

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L

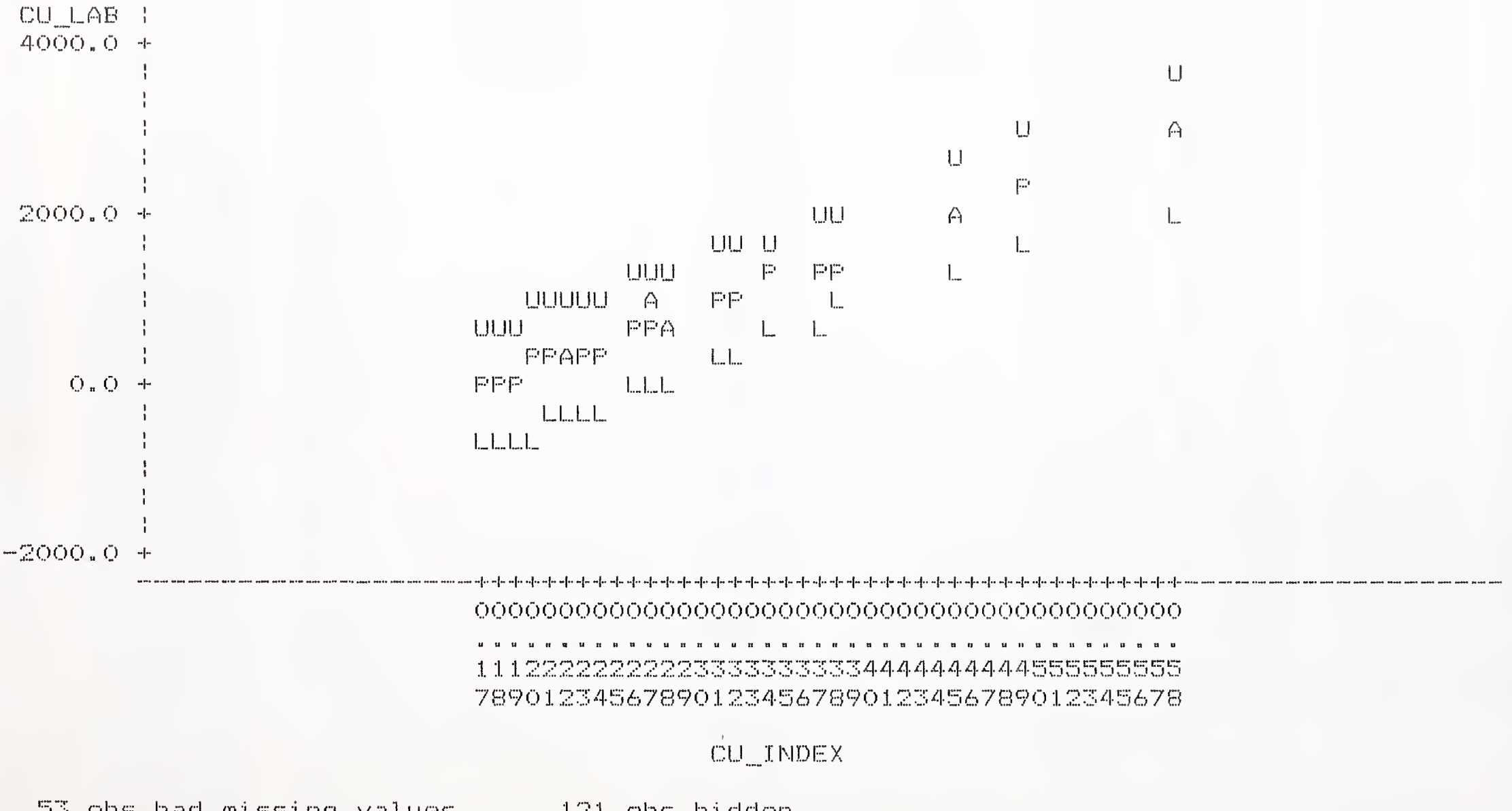


NOTE: 53 obs had missing values 131 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	28	0N-0E	2-4		0.19	.	114.93	223.824	-597.39	827.25
2	28	0N-0E	2-4		0.17	.	-28.80	229.604	-759.52	701.92
3	28	0S-100E	2-4		0.23	.	402.38	213.843	-278.18	1082.94
4	28	100S-100E	2-4		0.19	.	114.93	223.824	-597.39	827.25
5	28	200S-100E	4-6		0.18	.	43.06	226.652	-678.26	764.38
6	28	200S-100E	2-4		0.20	.	186.79	221.124	-516.94	890.52
7	28	100S-200E	2-4		0.22	.	330.52	216.129	-357.31	1018.35
8	28	0S-200E	4-6		0.24	.	474.24	211.705	-199.51	1147.99
9	28	0S-200E	2-4		0.28	.	761.69	204.711	110.20	1413.19
10	28	300S-100E	2-4		0.23	.	402.38	213.843	-278.18	1082.94
11	28	100S-200E	4-6		0.20	.	186.79	221.124	-516.94	890.52
12	28	200S-200E	2-4		0.18	.	43.06	226.652	-678.26	764.38
13	28	400S-0E	4-6		0.21	.	258.65	218.558	-436.91	954.21
14	28	500S-100E	2-4		0.21	.	258.65	218.558	-436.91	954.21
15	28	500S-0E	4-6		0.23	.	402.38	213.843	-278.18	1082.94
16	28	500S-0E	2-4		0.37	.	1408.46	199.031	775.05	2041.88
17	28	400S-100E	2-4		0.27	.	689.83	206.217	33.55	1346.12
18	28	300S-0E	2-4		0.19	.	114.93	223.824	-597.39	827.25
19	28	200S-0E	2-4		0.20	.	186.79	221.124	-516.94	890.52
20	28	200S-0E	4-6		0.19	.	114.93	223.824	-597.39	827.25
21	28	100S-0W	2-4		0.21	.	258.65	218.558	-436.91	954.21
22	28	400S-0E	0-2		0.49	.	2270.82	213.843	1590.26	2951.38
23	28	400S-0E	2-4		0.24	.	474.24	211.705	-199.51	1147.99
24	28	100S-300E	6-8		0.19	.	114.93	223.824	-597.39	827.25
25	28	10S-300E	6-8		0.31	.	977.28	201.214	336.92	1617.65
26	28	100S-500E	2-4		0.28	.	761.69	204.711	110.20	1413.19
27	28	200S-500E	2-4		0.28	.	761.69	204.711	110.20	1413.19
28	28	10S-500E	2-4		0.21	.	258.65	218.558	-436.91	954.21
29	28	200S-500E	6-8		0.20	.	186.79	221.124	-516.94	890.52
30	28	400S-500E	2-4		0.18	.	43.06	226.652	-678.26	764.38
31	28	100S-500E	4-6		0.21	.	258.65	218.558	-436.91	954.21
32	28	500S-500E	2-4		0.18	.	43.06	226.652	-678.26	764.38
33	28	500S-400E	2-4		0.22	.	330.52	216.129	-357.31	1018.35
34	28	500S-400E	6-8		0.17	.	-28.80	229.604	-759.52	701.92
35	28	400S-400E	2-4		0.21	.	258.65	218.558	-436.91	954.21

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	28	100S-400E	2-4		0.26	.	617.97	207.887	-43.63	1279.57
37	28	200S-400E	2-4		0.32	.	1049.15	200.398	411.38	1686.91
38	28	200S-400E	4-6		0.19	.	114.93	223.824	-597.39	827.25
39	28	100S-400E	8-10		0.22	.	330.52	216.129	-357.31	1018.35
40	28	500S-200E	2-4		0.23	.	402.38	213.843	-278.18	1082.94
41	28	400S-300E	2-4		0.19	.	114.93	223.824	-597.39	827.25
42	28	300S-300E	6-8		0.20	.	186.79	221.124	-516.94	890.52
43	28	300S-200E	6-8		0.19	.	114.93	223.824	-597.39	827.25
44	28	500S-300E	2-4		0.19	.	114.93	223.824	-597.39	827.25
45	28	200S-300E	2-4		0.38	.	1480.33	199.305	846.04	2114.61
46	28	400S-200E	2-4		0.24	.	474.24	211.705	-199.51	1147.99
47	28	300S-200E	2-4		0.23	.	402.38	213.843	-278.18	1082.94
48	28	300S-300E	2-4		0.34	.	1192.87	199.305	558.59	1827.16
49	28	200S-300E	8-10		0.22	.	330.52	216.129	-357.31	1018.35
50	28	500S-200E	8-10		0.18	.	43.06	226.652	-678.26	764.38
51	28	10S-300E	2-4		0.32	.	1049.15	200.398	411.38	1686.91
52	28	100S-300E	2-4		0.31	.	977.28	201.214	336.92	1617.65
53	28	300S-400E	2-4		0.19	.	114.93	223.824	-597.39	827.25
54	28	100S-500E	2-4	8-40191	0.28	695.0	761.69	204.711	110.20	1413.19
55	28	400S-200E	2-4	8-40193	0.27	952.0	689.83	206.217	33.55	1346.12
56	28	400S-0E	0-2	8-40194	0.58	2920.0	2917.59	239.156	2156.47	3678.70
57	28	500S-0E	2-4	8-40195	0.45	1940.0	1983.37	206.217	1327.08	2639.65
58	28	500S-300E	2-4	8-40199	0.22	176.0	330.52	216.129	-357.31	1018.35

Plot of CU_LAB*CU_INDEX Symbol used is A
Plot of CALC*CU_INDEX Symbol used is P
Plot of U95*CU_INDEX Symbol used is U
Plot of L95*CU_INDEX Symbol used is L

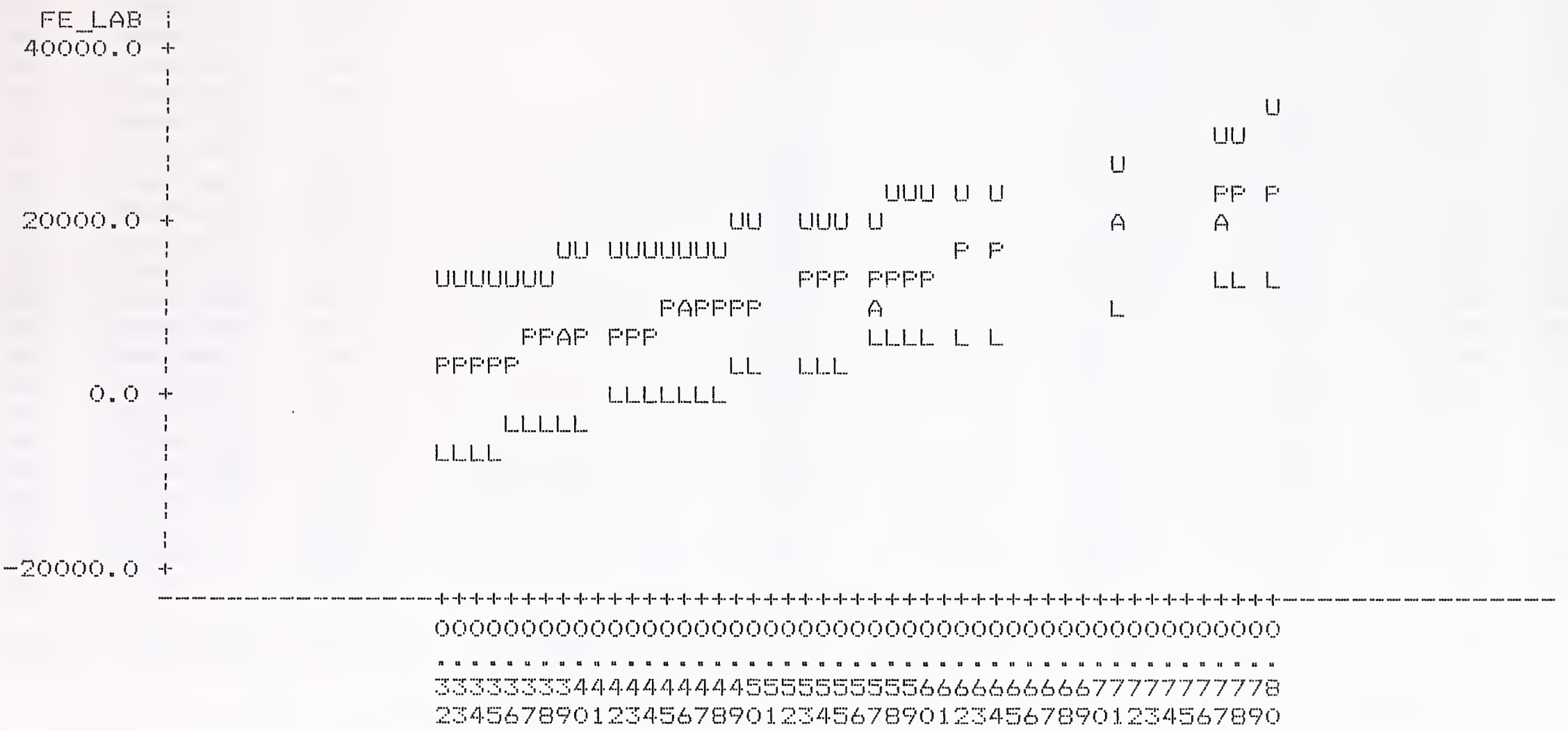


NOTE: 53 obs had missing values 121 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	28	0N-0E	2-4		0.39	.	5956.87	2851.17	-3116.98	15030.72
2	28	0N-0E	2-4		0.38	.	5537.76	2885.62	-3645.73	14721.25
3	28	0S-100E	2-4		0.47	.	9309.77	2629.26	942.16	17677.38
4	28	100S-100E	2-4		0.38	.	5537.76	2885.62	-3645.73	14721.25
5	28	200S-100E	4-6		0.36	.	4699.54	2958.46	-4715.75	14114.83
6	28	200S-100E	2-4		0.43	.	7633.32	2727.64	-1047.39	16314.03
7	28	100S-200E	2-4		0.38	.	5537.76	2885.62	-3645.73	14721.25
8	28	0S-200E	4-6		0.50	.	10567.10	2573.74	2376.17	18758.04
9	28	0S-200E	2-4		0.62	.	15596.45	2526.05	7557.30	23635.59
10	28	300S-100E	2-4		0.44	.	8052.43	2700.56	-542.11	16646.98
11	28	100S-200E	4-6		0.42	.	7214.21	2756.28	-1557.66	15986.08
12	28	200S-200E	2-4		0.37	.	5118.65	2921.40	-4178.70	14416.00
13	28	400S-0E	4-6		0.62	.	15596.45	2526.05	7557.30	23635.59
14	28	500S-100E	2-4		0.37	.	5118.65	2921.40	-4178.70	14416.00
15	28	500S-0E	4-6		0.37	.	5118.65	2921.40	-4178.70	14416.00
16	28	500S-0E	2-4		0.78	.	22302.24	2885.62	13118.75	31485.73
17	28	400S-100E	2-4		0.50	.	10567.10	2573.74	2376.17	18758.04
18	28	300S-0E	2-4		0.62	.	15596.45	2526.05	7557.30	23635.59
19	28	200S-0E	2-4		0.45	.	8471.54	2675.11	-42.00	16985.09
20	28	200S-0E	4-6		0.34	.	3861.31	3036.23	-5801.48	13524.11
21	28	100S-0W	2-4		0.42	.	7214.21	2756.28	-1557.66	15986.08
22	28	400S-0E	0-2		0.80	.	23140.46	2958.46	13725.17	32555.75
23	28	400S-0E	2-4		0.58	.	13920.00	2509.95	5932.09	21907.91
24	28	100S-300E	6-8		0.44	.	8052.43	2700.56	-542.11	16646.98
25	28	10S-300E	6-8		0.54	.	12243.55	2526.05	4204.41	20282.70
26	28	100S-500E	2-4		0.55	.	12662.66	2519.02	4645.90	20679.43
27	28	200S-500E	2-4		0.54	.	12243.55	2526.05	4204.41	20282.70
28	28	10S-500E	2-4		0.47	.	9309.77	2629.26	942.16	17677.38
29	28	200S-500E	6-8		0.46	.	8890.66	2651.33	452.80	17328.51
30	28	400S-500E	2-4		0.40	.	6375.98	2818.10	-2592.62	15344.58
31	28	100S-500E	4-6		0.58	.	13920.00	2509.95	5932.09	21907.91
32	28	500S-500E	2-4		0.38	.	5537.76	2885.62	-3645.73	14721.25
33	28	500S-400E	2-4		0.46	.	8890.66	2651.33	452.80	17328.51
34	28	500S-400E	6-8		0.38	.	5537.76	2885.62	-3645.73	14721.25
35	28	400S-400E	2-4		0.42	.	7214.21	2756.28	-1557.66	15986.08

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	28	100S-400E	2-4		0.54	.	12243.55	2526.05	4204.41	20282.70
37	28	200S-400E	2-4		0.59	.	14339.11	2510.96	6347.99	22330.23
38	28	200S-400E	4-6		0.39	.	5956.87	2851.17	-3116.98	15030.72
39	28	100S-400E	8-10		0.46	.	8890.66	2651.33	452.80	17328.51
40	28	500S-200E	2-4		0.40	.	6375.98	2818.10	-2592.62	15344.58
41	28	400S-300E	2-4		0.35	.	4280.42	2996.75	-5256.73	13817.58
42	28	300S-300E	6-8		0.44	.	8052.43	2700.56	-542.11	16646.98
43	28	300S-200E	6-8		0.43	.	7633.32	2727.64	-1047.39	16314.03
44	28	500S-300E	2-4		0.32	.	3023.09	3118.56	-6901.73	12947.91
45	28	200S-300E	2-4		0.60	.	14758.22	2513.98	6757.48	22758.97
46	28	400S-200E	2-4		0.42	.	7214.21	2756.28	-1557.66	15986.08
47	28	300S-200E	2-4		0.48	.	9728.88	2608.94	1425.92	18031.84
48	28	300S-300E	2-4		0.64	.	16434.67	2546.03	8331.94	24537.41
49	28	200S-300E	8-10		0.49	.	10147.99	2590.42	1903.97	18392.02
50	28	500S-200E	8-10		0.33	.	3442.20	3076.85	-6349.86	13234.26
51	28	10S-300E	2-4		0.53	.	11824.44	2535.06	3756.62	19892.26
52	28	100S-300E	2-4		0.46	.	8890.66	2651.33	452.80	17328.51
53	28	300S-400E	2-4		0.38	.	5537.76	2885.62	-3645.73	14721.25
54	28	100S-500E	2-4	8-40191	0.57	10400.0	13500.89	2510.96	5509.77	21492.01
55	28	400S-200E	2-4	8-40193	0.46	10200.0	8890.66	2651.33	452.80	17328.51
56	28	400S-0E	0-2	8-40194	0.77	21400.0	21883.13	2851.17	12809.28	30956.98
57	28	500S-0E	2-4	8-40195	0.71	21400.0	19368.46	2675.11	10854.91	27882.00
58	28	500S-300E	2-4	8-40199	0.39	6200.0	5956.87	2851.17	-3116.98	15030.72

Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L

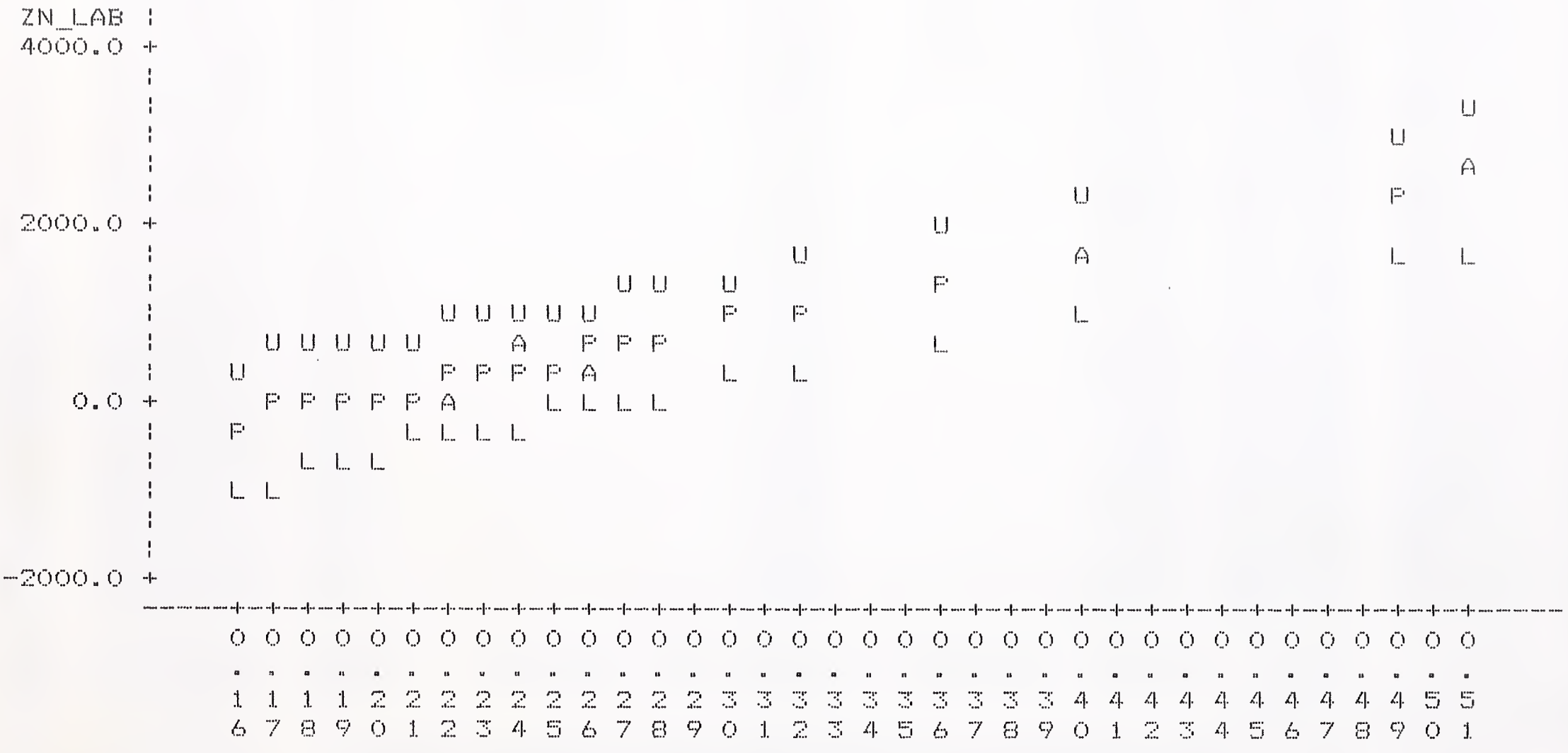


NOTE: 53 obs had missing values 84 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	28	0N-0E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
2	28	0N-0E	2-4		0.17	.	-154.90	216.964	-845.39	535.59
3	28	0S-100E	2-4		0.22	.	236.48	202.119	-406.77	879.72
4	28	100S-100E	2-4		0.16	.	-233.18	220.460	-934.79	468.44
5	28	200S-100E	4-6		0.18	.	-76.62	213.633	-756.51	603.26
6	28	200S-100E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
7	28	100S-200E	2-4		0.20	.	79.93	207.499	-580.44	740.29
8	28	0S-200E	4-6		0.27	.	627.86	192.368	15.65	1240.07
9	28	0S-200E	2-4		0.28	.	706.13	191.104	97.94	1314.32
10	28	300S-100E	2-4		0.23	.	314.75	199.732	-320.89	950.40
11	28	100S-200E	4-6		0.21	.	158.20	204.710	-493.29	809.69
12	28	200S-200E	2-4		0.16	.	-233.18	220.460	-934.79	468.44
13	28	400S-0E	4-6		0.20	.	79.93	207.499	-580.44	740.29
14	28	500S-100E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
15	28	500S-0E	4-6		0.22	.	236.48	202.119	-406.77	879.72
16	28	500S-0E	2-4		0.36	.	1332.34	189.908	727.96	1936.72
17	28	400S-100E	2-4		0.27	.	627.86	192.368	15.65	1240.07
18	28	300S-0E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
19	28	200S-0E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
20	28	200S-0E	4-6		0.19	.	1.65	210.476	-668.19	671.49
21	28	100S-0W	2-4		0.21	.	158.20	204.710	-493.29	809.69
22	28	400S-0E	0-2		0.49	.	2349.92	219.748	1650.57	3049.27
23	28	400S-0E	2-4		0.22	.	236.48	202.119	-406.77	879.72
24	28	100S-300E	6-8		0.20	.	79.93	207.499	-580.44	740.29
25	28	10S-300E	6-8		0.23	.	314.75	199.732	-320.89	950.40
26	28	100S-500E	2-4		0.25	.	471.30	195.599	-151.19	1093.80
27	28	200S-500E	2-4		0.28	.	706.13	191.104	97.94	1314.32
28	28	10S-500E	2-4		0.19	.	1.65	210.476	-668.19	671.49
29	28	200S-500E	6-8		0.17	.	-154.90	216.964	-845.39	535.59
30	28	400S-500E	2-4		0.19	.	1.65	210.476	-668.19	671.49
31	28	100S-500E	4-6		0.20	.	79.93	207.499	-580.44	740.29
32	28	500S-500E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
33	28	500S-400E	2-4		0.21	.	158.20	204.710	-493.29	809.69
34	28	500S-400E	6-8		0.19	.	1.65	210.476	-668.19	671.49
35	28	400S-400E	2-4		0.20	.	79.93	207.499	-580.44	740.29

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	28	100S-400E	2-4		0.23	.	314.75	199.732	-320.89	950.40
37	28	200S-400E	2-4		0.30	.	862.68	189.307	260.22	1465.15
38	28	200S-400E	4-6		0.19	.	1.65	210.476	-668.19	671.49
39	28	100S-400E	8-10		0.20	.	79.93	207.499	-580.44	740.29
40	28	500S-200E	2-4		0.21	.	158.20	204.710	-493.29	809.69
41	28	400S-300E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
42	28	300S-300E	6-8		0.19	.	1.65	210.476	-668.19	671.49
43	28	300S-200E	6-8		0.18	.	-76.62	213.633	-756.51	603.26
44	28	500S-300E	2-4		0.18	.	-76.62	213.633	-756.51	603.26
45	28	200S-300E	2-4		0.32	.	1019.23	188.502	419.33	1619.14
46	28	400S-200E	2-4		0.20	.	79.93	207.499	-580.44	740.29
47	28	300S-200E	2-4		0.23	.	314.75	199.732	-320.89	950.40
48	28	300S-300E	2-4		0.30	.	862.68	189.307	260.22	1465.15
49	28	200S-300E	8-10		0.19	.	1.65	210.476	-668.19	671.49
50	28	500S-200E	8-10		0.17	.	-154.90	216.964	-845.39	535.59
51	28	10S-300E	2-4		0.32	.	1019.23	188.502	419.33	1619.14
52	28	100S-300E	2-4		0.27	.	627.86	192.368	15.65	1240.07
53	28	300S-400E	2-4		0.17	.	-154.90	216.964	-845.39	535.59
54	28	100S-500E	2-4	8-40191	0.26	427.0	549.58	193.868	-67.40	1166.56
55	28	400S-200E	2-4	8-40193	0.24	631.0	393.03	197.556	-235.69	1021.75
56	28	400S-0E	0-2	8-40194	0.51	2560.0	2506.47	227.144	1783.59	3229.36
57	28	500S-0E	2-4	8-40195	0.40	1560.0	1645.44	195.235	1024.11	2266.77
58	28	500S-300E	2-4	8-40199	0.22	153.0	236.48	202.119	-406.77	879.72

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L

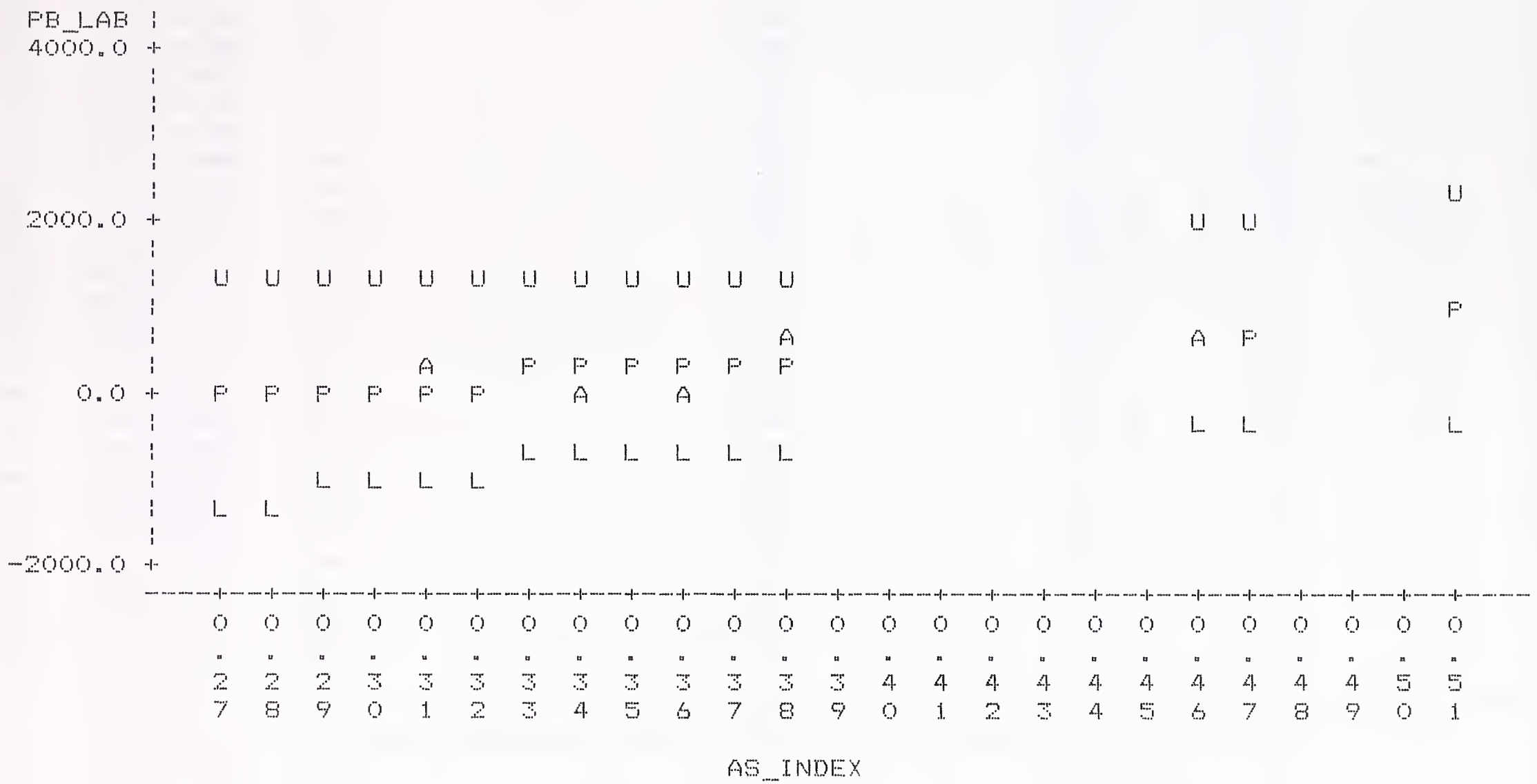


NOTE: 53 obs had missing values 119 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
1	28	0N-0E	2-4		0.57	0.30	.	78.525	354.861	-1050.82	1207.87
2	28	0N-0E	2-4		0.52	0.27	.	-50.850	397.020	-1314.37	1212.67
3	28	0S-100E	2-4		0.57	0.30	.	78.525	354.861	-1050.82	1207.87
4	28	100S-100E	2-4		0.55	0.28	.	-7.725	381.858	-1222.99	1207.54
5	28	200S-100E	4-6		0.60	0.30	.	78.525	354.861	-1050.82	1207.87
6	28	200S-100E	2-4		0.54	0.30	.	78.525	354.861	-1050.82	1207.87
7	28	100S-200E	2-4		0.68	0.35	.	294.150	312.980	-701.91	1290.21
8	28	0S-200E	4-6		0.59	0.32	.	164.775	333.180	-895.57	1225.12
9	28	0S-200E	2-4		0.70	0.37	.	380.400	308.982	-602.94	1363.74
10	28	300S-100E	2-4		0.64	0.35	.	294.150	312.980	-701.91	1290.21
11	28	100S-200E	4-6		0.65	0.36	.	337.275	309.986	-649.26	1323.81
12	28	200S-200E	2-4		0.63	0.32	.	164.775	333.180	-895.57	1225.12
13	28	400S-0E	4-6		0.51	0.30	.	78.525	354.861	-1050.82	1207.87
14	28	500S-100E	2-4		0.62	0.34	.	251.025	317.906	-760.71	1262.76
15	28	500S-0E	4-6		0.56	0.29	.	35.400	367.763	-1135.00	1205.80
16	28	500S-0E	2-4		0.89	0.51	.	984.150	466.148	-499.37	2467.67
17	28	400S-100E	2-4		0.62	0.34	.	251.025	317.906	-760.71	1262.76
18	28	300S-0E	2-4		0.59	0.31	.	121.650	343.287	-970.86	1214.16
19	28	200S-0E	2-4		0.57	0.31	.	121.650	343.287	-970.86	1214.16
20	28	200S-0E	4-6		0.65	0.34	.	251.025	317.906	-760.71	1262.76
21	28	100S-0W	2-4		0.53	0.29	.	35.400	367.763	-1135.00	1205.80
22	28	400S-0E	0-2		0.81	0.47	.	811.650	397.020	-451.87	2075.17
23	28	400S-0E	2-4		0.57	0.32	.	164.775	333.180	-895.57	1225.12
24	28	100S-300E	6-8		0.63	0.32	.	164.775	333.180	-895.57	1225.12
25	28	10S-300E	6-8		0.55	0.30	.	78.525	354.861	-1050.82	1207.87
26	28	100S-500E	2-4		0.63	0.34	.	251.025	317.906	-760.71	1262.76
27	28	200S-500E	2-4		0.69	0.36	.	337.275	309.986	-649.26	1323.81
28	28	10S-500E	2-4		0.61	0.32	.	164.775	333.180	-895.57	1225.12
29	28	200S-500E	6-8		0.65	0.33	.	207.900	324.677	-825.38	1241.18
30	28	400S-500E	2-4		0.65	0.32	.	164.775	333.180	-895.57	1225.12
31	28	100S-500E	4-6		0.74	0.38	.	423.525	309.986	-563.01	1410.06
32	28	500S-500E	2-4		0.62	0.32	.	164.775	333.180	-895.57	1225.12
33	28	500S-400E	2-4		0.67	0.36	.	337.275	309.986	-649.26	1323.81
34	28	500S-400E	6-8		0.68	0.37	.	380.400	308.982	-602.94	1363.74
35	28	400S-400E	2-4		0.65	0.34	.	251.025	317.906	-760.71	1262.76

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	AS_INDEX	PB_LAB	CALC	STDI	L95	U95
36	28	100S-400E	2-4		0.61	0.32	.	164.775	333.180	-895.57	1225.12
37	28	200S-400E	2-4		0.66	0.35	.	294.150	312.980	-701.91	1290.21
38	28	200S-400E	4-6		0.61	0.32	.	164.775	333.180	-895.57	1225.12
39	28	100S-400E	8-10		0.64	0.33	.	207.900	324.677	-825.38	1241.18
40	28	500S-200E	2-4		0.58	0.33	.	207.900	324.677	-825.38	1241.18
41	28	400S-300E	2-4		0.64	0.32	.	164.775	333.180	-895.57	1225.12
42	28	300S-300E	6-8		0.66	0.35	.	294.150	312.980	-701.91	1290.21
43	28	300S-200E	6-8		0.61	0.31	.	121.650	343.287	-970.86	1214.16
44	28	500S-300E	2-4		0.57	0.30	.	78.525	354.861	-1050.82	1207.87
45	28	200S-300E	2-4		0.55	0.29	.	35.400	367.763	-1135.00	1205.80
46	28	400S-200E	2-4		0.56	0.28	.	-7.725	381.858	-1222.99	1207.54
47	28	300S-200E	2-4		0.58	0.32	.	164.775	333.180	-895.57	1225.12
48	28	300S-300E	2-4		0.61	0.35	.	294.150	312.980	-701.91	1290.21
49	28	200S-300E	8-10		0.60	0.32	.	164.775	333.180	-895.57	1225.12
50	28	500S-200E	8-10		0.55	0.27	.	-50.850	397.020	-1314.37	1212.67
51	28	10S-300E	2-4		0.67	0.37	.	380.400	308.982	-602.94	1363.74
52	28	100S-300E	2-4		0.57	0.32	.	164.775	333.180	-895.57	1225.12
53	28	300S-400E	2-4		0.61	0.32	.	164.775	333.180	-895.57	1225.12
54	28	100S-500E	2-4	8-40191	0.69	0.36	149.0	337.275	309.986	-649.26	1323.81
55	28	400S-200E	2-4	8-40193	0.59	0.31	200.0	121.650	343.287	-970.86	1214.16
56	28	400S-0E	0-2	8-40194	0.81	0.46	690.0	768.525	381.858	-446.74	1983.79
57	28	500S-0E	2-4	8-40195	0.68	0.38	812.0	423.525	309.986	-563.01	1410.06
58	28	500S-300E	2-4	8-40199	0.64	0.34	51.0	251.025	317.906	-760.71	1262.76

Plot of PB_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



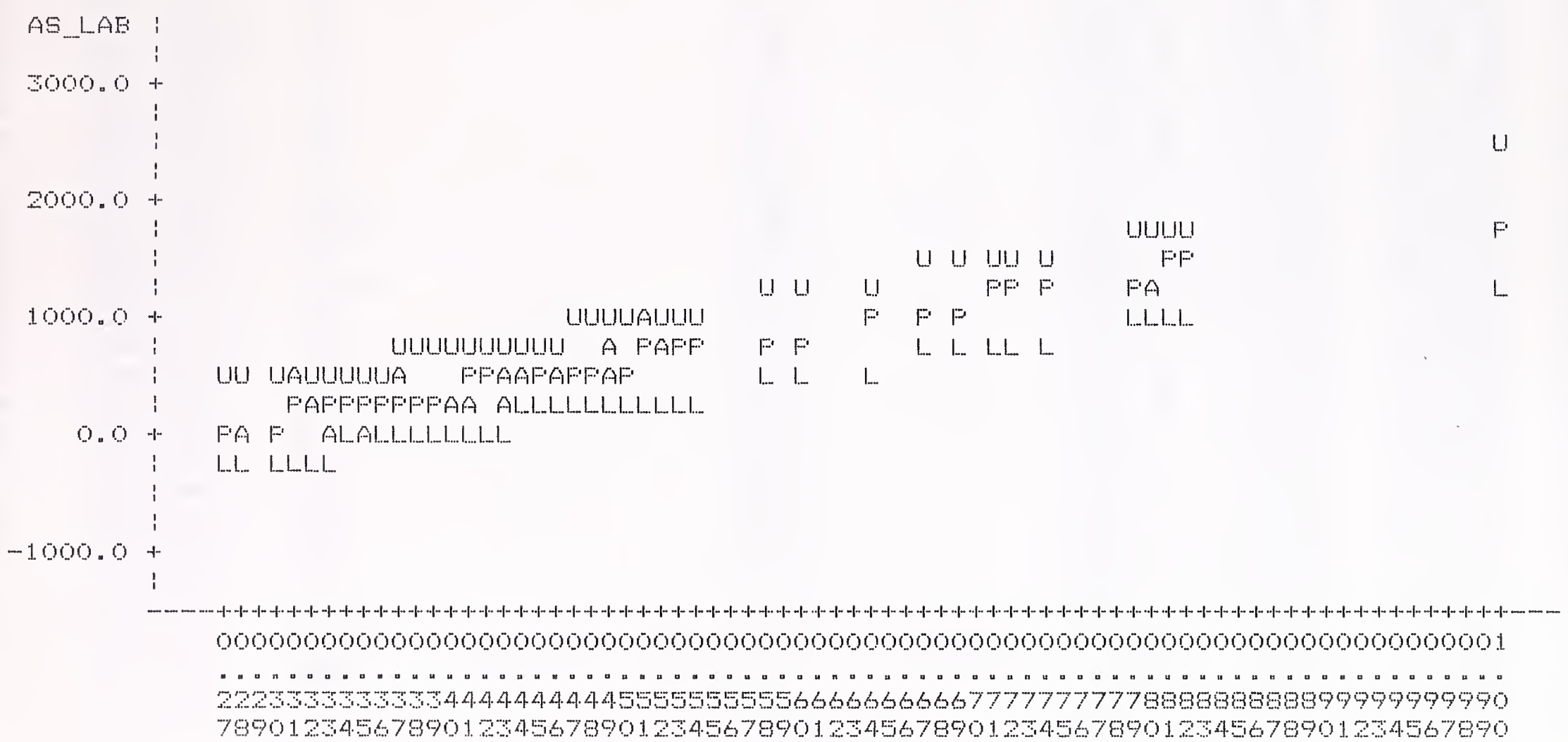
NOTE: 53 obs had missing values 130 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
1	30	0S-400W	0-1		0.27	.	45.87	168.934	-309.04	400.79
2	30	0S-400W	4-6		0.37	.	295.67	162.511	-45.75	637.09
3	30	0S-300W	0-3		0.40	.	370.61	161.779	30.73	710.49
4	30	0S-300W	3-5		0.47	.	545.47	162.290	204.52	886.43
5	30	0S-200W	5-7		0.42	.	420.57	161.607	81.05	760.09
6	30	0S-200W	3-5		0.54	.	720.33	165.866	371.86	1068.80
7	30	0S-200W	0-3		0.50	.	620.41	163.455	277.01	963.81
8	30	0S-100W	3-5		0.44	.	470.53	161.690	130.84	810.23
9	30	0S-100W	0-1		0.60	.	870.21	171.229	510.47	1229.95
10	30	0S-0W	0-2		0.71	.	1144.99	185.895	754.44	1535.54
11	30	0S-0W	5-7		0.52	.	670.37	164.540	324.69	1016.05
12	30	100S-0W	2.5-5		0.52	.	670.37	164.540	324.69	1016.05
13	30	100S-0W	0-1		0.54	.	720.33	165.866	371.86	1068.80
14	30	100S-0W	10-15		0.53	.	695.35	165.173	348.34	1042.36
15	30	100S-100W	6-8		0.82	.	1419.77	205.629	987.76	1851.77
16	30	100S-100W	2-6		0.81	.	1394.79	203.661	966.91	1822.66
17	30	100S-100W	0-2		0.67	.	1045.07	179.901	667.11	1423.02
18	30	100S-200W	3-5		0.58	.	820.25	169.217	464.74	1175.76
19	30	100S-200W	1-3		0.72	.	1169.97	187.500	776.05	1563.89
20	30	100S-200W	0-1		0.64	.	970.13	175.886	600.61	1339.65
21	30	100S-300W	4-6		0.53	.	695.35	165.173	348.34	1042.36
22	30	100S-300W	2-4		0.60	.	870.21	171.229	510.47	1229.95
23	30	100S-300W	0-2		0.67	.	1045.07	179.901	667.11	1423.02
24	30	100S-400W	6-8		0.79	.	1344.83	199.823	925.02	1764.64
25	30	100S-400W	4-6		0.69	.	1095.03	182.810	710.96	1479.10
26	30	100S-400W	2-4		0.67	.	1045.07	179.901	667.11	1423.02
27	30	100S-400W	0-2		0.67	.	1045.07	179.901	667.11	1423.02
28	30	200S-400W	8-10		0.27	.	45.87	168.934	-309.04	400.79
29	30	200S-400W	2-8		0.47	.	545.47	162.290	204.52	886.43
30	30	200S-400W	0-2		0.27	.	45.87	168.934	-309.04	400.79
31	30	200S-300W	4-6		0.45	.	495.51	161.827	155.53	835.49
32	30	200S-300W	0-2		0.41	.	395.59	161.661	55.96	735.23
33	30	300S-200W	4-6		0.74	.	1219.93	190.833	819.01	1620.85
34	30	300S-200W	2-4		0.51	.	645.39	163.967	300.91	989.87
35	30	200S-100W	0-2		0.47	.	545.47	162.290	204.52	886.43

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
36	30	200S-100W	6-10		0.42	.	420.57	161.607	81.05	760.09
37	30	200S-0W	0-2		0.53	.	695.35	165.173	348.34	1042.36
38	30	200S-0W	2-4		0.39	.	345.63	161.960	5.37	685.90
39	30	100E-200S	0-2		1.00	.	1869.41	245.549	1353.53	2385.28
40	30	100E-200S	4-6		0.32	.	170.77	164.977	-175.83	517.37
41	30	300S-0W	0-2		0.45	.	495.51	161.827	155.53	835.49
42	30	300S-0W	2-4		0.36	.	270.69	162.881	-71.51	612.89
43	30	300S-100W	0-2		0.38	.	320.65	162.204	-20.12	661.43
44	30	300S-100W	4-6		0.35	.	245.71	163.313	-97.39	588.82
45	30	300S-200W	1-3		0.54	.	720.33	165.866	371.86	1068.80
46	30	300S-200W	10-15		0.41	.	395.59	161.661	55.96	735.23
47	30	400S-300W	4-6		0.39	.	345.63	161.960	5.37	685.90
48	30	400S-300W	14-20		0.51	.	645.39	163.967	300.91	989.87
49	30	300S-400W	0-4		0.36	.	270.69	162.881	-71.51	612.89
50	30	300S-400W	9-11		0.39	.	345.63	161.960	5.37	685.90
51	30	400S-400W	0-4		0.33	.	195.75	164.361	-149.56	541.06
52	30	400S-400W	6-8		0.37	.	295.67	162.511	-45.75	637.09
53	30	400S-300W	2-4		0.43	.	445.55	161.617	106.01	785.09
54	30	400S-300W	4-6		0.40	.	370.61	161.779	30.73	710.49
55	30	400S-200W	0-2		0.46	.	520.49	162.027	180.09	860.89
56	30	400S-200W	2-3		0.52	.	670.37	164.540	324.69	1016.05
57	30	400S-200W	3-6		0.38	.	320.65	162.204	-20.12	661.43
58	30	400S-100W	0-2		0.42	.	420.57	161.607	81.05	760.09
59	30	400S-0W	2-2.5		0.41	.	395.59	161.661	55.96	735.23
60	30	400S-0W	2.5-4		0.33	.	195.75	164.361	-149.56	541.06
61	30	500S-50E	2-4		0.42	.	420.57	161.607	81.05	760.09
62	30	500S-50E	4-6		0.64	.	970.13	175.886	600.61	1339.65
63	30	500S-0W	0-2		0.44	.	470.53	161.690	130.84	810.23
64	30	500S-0W	4-6		0.42	.	420.57	161.607	81.05	760.09
65	30	500S-100W	4-6		0.43	.	445.55	161.617	106.01	785.09
66	30	500S-100W	2-4		0.46	.	520.49	162.027	180.09	860.89
67	30	500S-200W	4-6		0.48	.	570.45	162.616	228.81	912.09
68	30	500S-300W	5-7		0.50	.	620.41	163.455	277.01	963.81
69	30	500S-300W	3-5		0.46	.	520.49	162.027	180.09	860.89
70	30	500S-400W	5-6		0.40	.	370.61	161.779	30.73	710.49

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	AS_INDEX	AS_LAB	CALC	STDI	L95	U95
71	30	500S-400W	0-2		0.30	.	120.81	166.386	-228.75	470.37
72	30	500S-500W	6-8		0.34	.	220.73	163.807	-123.41	564.88
73	30	500S-500W	4-6		0.50	.	620.41	163.455	277.01	963.81
74	30	100S-400W	6-8	8-61025	0.43	540.0	445.55	161.617	106.01	785.09
75	30	100S-300W	4-6	8-61026	0.35	78.9	245.71	163.313	-97.39	588.82
76	30	0S-100W	3-5	8-61027	0.40	140.0	370.61	161.779	30.73	710.49
77	30	0S-100W	0-2	8-61028	0.51	960.0	645.39	163.967	300.91	989.87
78	30	0S-100W	5-7	8-61029	0.35	72.3	245.71	163.313	-97.39	588.82
79	30	200S-100E	0-2	8-61030	0.80	1270.0	1369.81	201.726	946.00	1793.61
80	30	200S-100W	6-10	8-61032	0.33	62.8	195.75	164.361	-149.56	541.06
81	30	300S-200W	1-3	8-61033	0.43	510.0	445.55	161.617	106.01	785.09
82	30	300S-200W	10-15	8-61034	0.32	330.0	170.77	164.977	-175.83	517.37
83	30	300S-0W	0-2	8-61035	0.43	340.0	445.55	161.617	106.01	785.09
84	30	500S-50E	4-6	8-61039	0.49	710.0	595.43	163.004	252.97	937.89
85	30	500S-100W	4-6	8-61040	0.46	420.0	520.49	162.027	180.09	860.89
86	30	500S-300W	3-5	8-61041	0.49	600.0	595.43	163.004	252.97	937.89
87	30	500S-300W	5-7	8-61042	0.52	720.0	670.37	164.540	324.69	1016.05
88	30	500S-500W	4-6	8-61043	0.41	360.0	395.59	161.661	55.96	735.23
89	30	400S-300W	4-6	8-61044	0.44	510.0	470.53	161.690	130.84	810.23
90	30	300S-400W	9-11	8-61045	0.35	42.3	245.71	163.313	-97.39	588.82
91	30	200S-400W	0-2	8-61046	0.31	430.0	145.79	165.651	-202.23	493.81
92	30	200S-400W	2-8	8-61047	0.37	390.0	295.67	162.511	-45.75	637.09
93	30	200S-400W	8-10	8-61048	0.28	100.0	70.85	168.028	-282.16	423.86

Plot of AS_LAB*AS_INDEX Symbol used is A
Plot of CALC*AS_INDEX Symbol used is P
Plot of U95*AS_INDEX Symbol used is U
Plot of L95*AS_INDEX Symbol used is L



NOTE: 73 obs had missing values 174 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
1	30	0S-400W	0-1		0.33	.	1121.33	853.68	-672.17	2914.84
2	30	0S-400W	4-6		0.47	.	2525.77	840.86	759.21	4292.34
3	30	0S-300W	0-3		0.68	.	4632.43	861.84	2821.79	6443.07
4	30	0S-300W	3-5		0.77	.	5535.28	884.97	3676.04	7394.52
5	30	0S-200W	5-7		0.43	.	2124.50	842.34	354.83	3894.18
6	30	0S-200W	3-5		0.56	.	3428.62	843.99	1655.49	5201.76
7	30	0S-200W	0-3		0.67	.	4532.11	859.77	2725.82	6338.41
8	30	0S-100W	3-5		0.89	.	6739.08	927.61	4790.25	8687.92
9	30	0S-100W	0-1		0.69	.	4732.75	864.01	2917.55	6547.94
10	30	0S-0W	0-2		1.00	.	7842.57	977.16	5789.65	9895.49
11	30	0S-0W	5-7		0.39	.	1723.24	845.57	-53.24	3499.71
12	30	100S-0W	2.5-5		1.28	.	10651.45	1138.67	8259.20	13043.69
13	30	100S-0W	0-1		0.86	.	6438.13	915.77	4514.19	8362.08
14	30	100S-0W	10-15		0.38	.	1622.92	846.66	-155.83	3401.67
15	30	100S-100W	6-8		0.97	.	7541.62	962.74	5518.99	9564.25
16	30	100S-100W	2-6		0.78	.	5635.60	888.02	3769.94	7501.26
17	30	100S-100W	0-2		0.89	.	6739.08	927.61	4790.25	8687.92
18	30	100S-200W	3-5		0.97	.	7541.62	962.74	5518.99	9564.25
19	30	100S-200W	1-3		0.76	.	5434.96	882.01	3581.95	7287.98
20	30	100S-200W	0-1		0.94	.	7240.67	948.99	5246.94	9234.40
21	30	100S-300W	4-6		1.52	.	13059.05	1305.94	10315.39	15802.72
22	30	100S-300W	2-4		0.62	.	4030.53	850.99	2242.67	5818.39
23	30	100S-300W	0-2		1.19	.	9748.59	1082.05	7475.30	12021.88
24	30	100S-400W	6-8		1.60	.	13861.59	1365.86	10992.03	16731.14
25	30	100S-400W	4-6		0.70	.	4833.06	866.28	3013.09	6653.04
26	30	100S-400W	2-4		0.67	.	4532.11	859.77	2725.82	6338.41
27	30	100S-400W	0-2		0.90	.	6839.40	931.73	4881.93	8796.88
28	30	200S-400W	8-10		0.23	.	118.17	875.56	-1721.30	1957.63
29	30	200S-400W	2-8		0.80	.	5836.23	894.42	3957.14	7715.32
30	30	200S-400W	0-2		0.39	.	1723.24	845.57	-53.24	3499.71
31	30	200S-300W	4-6		0.59	.	3729.58	847.00	1950.10	5509.05
32	30	200S-300W	0-2		0.32	.	1021.02	855.41	-776.11	2818.15
33	30	300S-200W	4-6		0.71	.	4933.38	868.65	3108.42	6758.34
34	30	300S-200W	2-4		0.45	.	2325.14	841.38	557.48	4092.79
35	30	200S-100W	0-2		0.54	.	3227.99	842.52	1457.94	4998.05

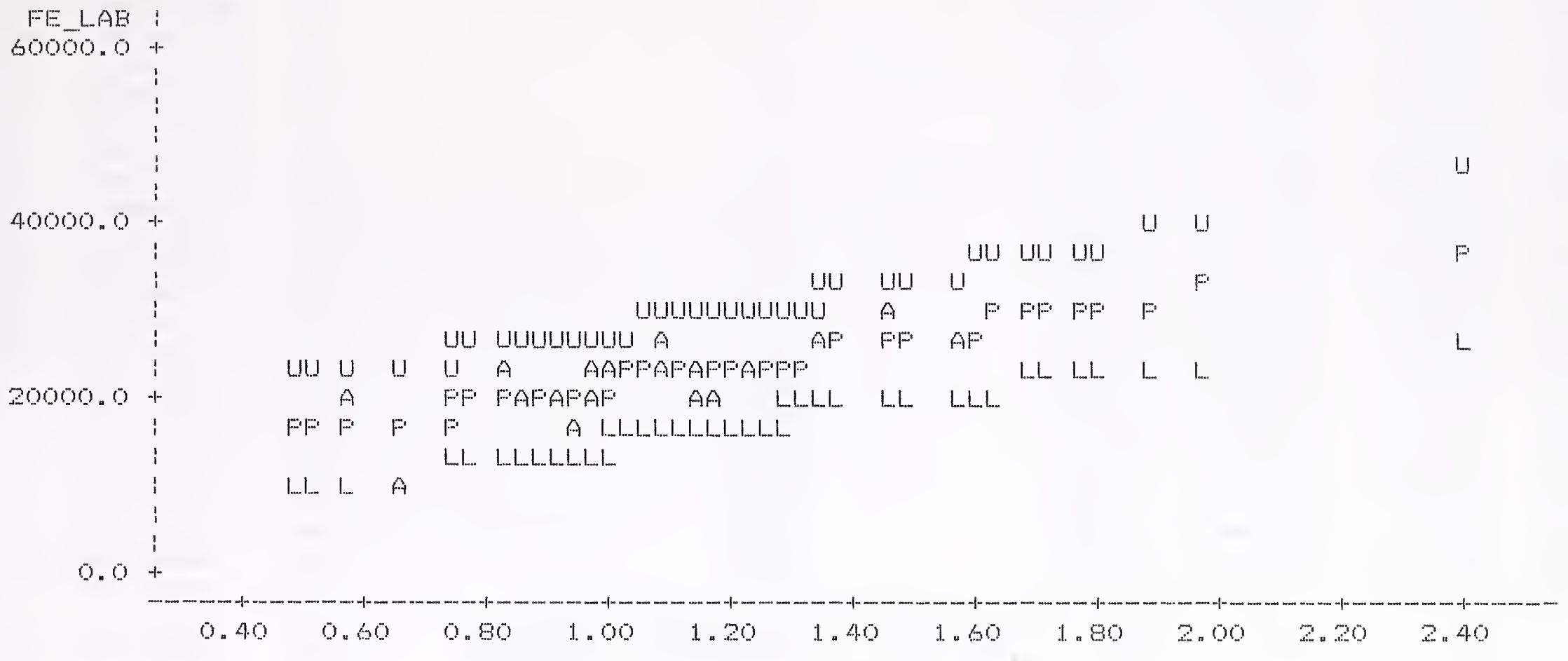
OBS	SITE	STA_COOR	DEPTH	TAG_NBR	CU_INDEX	CU_LAB	CALC	STDI	L95	U95
36	30	200S-100W	6-10		0.27	.	519.43	865.59	-1299.09	2337.95
37	30	200S-0W	0-2		0.55	.	3328.31	843.20	1556.83	5099.79
38	30	200S-0W	2-4		0.69	.	4732.75	864.01	2917.55	6547.94
39	30	100E-200S	0-2		0.80	.	5836.23	894.42	3957.14	7715.32
40	30	100E-200S	4-6		0.67	.	4532.11	859.77	2725.82	6338.41
41	30	300S-0W	0-2		0.45	.	2325.14	841.38	557.48	4092.79
42	30	300S-0W	2-4		0.61	.	3930.21	849.56	2145.37	5715.05
43	30	300S-100W	0-2		0.59	.	3729.58	847.00	1950.10	5509.05
44	30	300S-100W	4-6		0.28	.	619.75	863.34	-1194.06	2433.56
45	30	300S-200W	1-3		0.88	.	6638.77	923.58	4698.41	8579.13
46	30	300S-200W	10-15		0.26	.	419.12	867.93	-1404.33	2242.56
47	30	400S-300W	4-6		0.71	.	4933.38	868.65	3108.42	6758.34
48	30	400S-300W	14-20		0.87	.	6538.45	919.63	4606.39	8470.52
49	30	300S-400W	0-4		0.43	.	2124.50	842.34	354.83	3894.18
50	30	300S-400W	9-11		0.65	.	4331.48	855.94	2533.22	6129.74
51	30	400S-400W	0-4		0.44	.	2224.82	841.80	456.27	3993.37
52	30	400S-400W	6-8		0.35	.	1321.97	850.55	-464.96	3108.90
53	30	400S-300W	2-4		0.55	.	3328.31	843.20	1556.83	5099.79
54	30	400S-300W	4-6		0.27	.	519.43	865.59	-1299.09	2337.95
55	30	400S-200W	0-2		0.69	.	4732.75	864.01	2917.55	6547.94
56	30	400S-200W	2-3		0.60	.	3829.89	848.23	2047.85	5611.94
57	30	400S-200W	3-6		0.33	.	1121.33	853.68	-672.17	2914.84
58	30	400S-100W	0-2		0.58	.	3629.26	845.89	1852.13	5406.39
59	30	400S-0W	2-2.5		0.75	.	5334.65	879.14	3487.65	7181.64
60	30	400S-0W	2.5-4		0.38	.	1622.92	846.66	-155.83	3401.67
61	30	500S-50E	2-4		0.28	.	619.75	863.34	-1194.06	2433.56
62	30	500S-50E	4-6		0.43	.	2124.50	842.34	354.83	3894.18
63	30	500S-0W	0-2		0.52	.	3027.36	841.49	1259.46	4795.25
64	30	500S-0W	4-6		0.69	.	4732.75	864.01	2917.55	6547.94
65	30	500S-100W	4-6		0.96	.	7441.30	958.08	5428.46	9454.15
66	30	500S-100W	2-4		0.43	.	2124.50	842.34	354.83	3894.18
67	30	500S-200W	4-6		0.54	.	3227.99	842.52	1457.94	4998.05
68	30	500S-300W	5-7		1.13	.	9146.69	1046.60	6947.88	11345.51
69	30	500S-300W	3-5		0.52	.	3027.36	841.49	1259.46	4795.25
70	30	500S-400W	5-6		0.47	.	2525.77	840.86	759.21	4292.34

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
1	30	0S-400W	0-1		0.52	.	15860.00	3332.11	8859.54	22860.46
2	30	0S-400W	4-6		1.04	.	21795.99	2983.04	15528.89	28063.08
3	30	0S-300W	0-3		1.16	.	23165.83	2995.02	16873.56	29458.10
4	30	0S-300W	3-5		0.85	.	19627.07	3038.12	13244.25	26009.88
5	30	0S-200W	5-7		1.36	.	25448.90	3094.06	18948.57	31949.23
6	30	0S-200W	3-5		1.19	.	23508.29	3003.68	17197.84	29818.74
7	30	0S-200W	0-3		1.17	.	23279.98	2997.66	16982.18	29577.79
8	30	0S-100W	3-5		1.70	.	29330.12	3462.04	22056.69	36603.55
9	30	0S-100W	0-1		1.21	.	23736.60	3010.69	17411.42	30061.77
10	30	0S-0W	0-2		1.98	.	32526.42	3909.52	24312.87	40739.97
11	30	0S-0W	5-7		1.63	.	28531.05	3368.41	21454.32	35607.77
12	30	100S-0W	2.5-5		1.90	.	31613.19	3771.07	23690.51	39535.87
13	30	100S-0W	0-1		1.32	.	24992.29	3066.63	18549.58	31434.99
14	30	100S-0W	10-15		1.48	.	26818.74	3197.68	20100.70	33536.78
15	30	100S-100W	6-8		2.40	.	37320.87	4738.57	27365.58	47276.16
16	30	100S-100W	2-6		1.71	.	29444.27	3476.08	22141.35	36747.20
17	30	100S-100W	0-2		1.69	.	29215.97	3448.16	21971.69	36460.24
18	30	100S-200W	3-5		1.80	.	30471.66	3609.40	22888.63	38054.68
19	30	100S-200W	1-3		1.37	.	25563.05	3101.48	19047.12	32078.99
20	30	100S-200W	0-1		1.64	.	28645.20	3381.28	21541.45	35748.95
21	30	100S-300W	4-6		1.46	.	26590.44	3178.27	19913.18	33267.69
22	30	100S-300W	2-4		1.12	.	22709.21	2986.99	16433.83	28984.60
23	30	100S-300W	0-2		1.30	.	24763.98	3054.31	18347.16	31180.80
24	30	100S-400W	6-8		1.78	.	30243.35	3578.73	22724.77	37761.93
25	30	100S-400W	4-6		1.10	.	22480.91	2984.48	16210.78	28751.03
26	30	100S-400W	2-4		1.04	.	21795.99	2983.04	15528.89	28063.08
27	30	100S-400W	0-2		1.13	.	22823.37	2988.62	16544.55	29102.18
28	30	200S-400W	8-10		0.86	.	19741.22	3033.01	13369.15	26113.29
29	30	200S-400W	2-8		1.01	.	21453.52	2985.74	15180.77	27726.28
30	30	200S-400W	0-2		0.65	.	17344.00	3188.84	10644.53	24043.46
31	30	200S-300W	4-6		1.07	.	22138.45	2982.62	15872.23	28404.66
32	30	200S-300W	0-2		0.75	.	18485.53	3102.24	11968.01	25003.05
33	30	300S-200W	4-6		1.18	.	23394.14	3000.54	17090.27	29698.00
34	30	300S-200W	2-4		1.01	.	21453.52	2985.74	15180.77	27726.28
35	30	200S-100W	0-2		1.24	.	24079.06	3023.05	17727.91	30430.21

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
36	30	200S-100W	6-10		0.99	.	21225.22	2988.80	14946.03	27504.41
37	30	200S-0W	0-2		1.47	.	26704.59	3187.87	20007.16	33402.02
38	30	200S-0W	2-4		1.20	.	23622.44	3007.06	17304.89	29940.00
39	30	100E-200S	0-2		1.61	.	28302.74	3343.22	21278.95	35326.53
40	30	100E-200S	4-6		1.14	.	22937.52	2990.50	16654.75	29220.29
41	30	300S-0W	0-2		1.15	.	23051.67	2992.64	16764.42	29338.93
42	30	300S-0W	2-4		1.24	.	24079.06	3023.05	17727.91	30430.21
43	30	300S-100W	0-2		1.15	.	23051.67	2992.64	16764.42	29338.93
44	30	300S-100W	4-6		1.28	.	24535.67	3042.93	18142.75	30928.59
45	30	300S-200W	1-3		1.11	.	22595.06	2985.61	16322.57	28867.55
46	30	300S-200W	10-15		0.99	.	21225.22	2988.80	14946.03	27504.41
47	30	400S-300W	4-6		0.85	.	19627.07	3038.12	13244.25	26009.88
48	30	400S-300W	14-20		1.08	.	22252.60	2982.99	15985.61	28519.58
49	30	300S-400W	0-4		0.90	.	20197.84	3014.96	13863.67	26532.00
50	30	300S-400W	9-11		1.00	.	21339.37	2987.14	15063.66	27615.08
51	30	400S-400W	0-4		0.73	.	18257.22	3117.81	11706.98	24807.47
52	30	400S-400W	6-8		0.50	.	15631.69	3356.99	8578.97	22684.41
53	30	400S-300W	2-4		0.95	.	20768.60	2997.94	14470.22	27066.99
54	30	400S-300W	4-6		0.98	.	21111.06	2990.71	14827.87	27394.26
55	30	400S-200W	0-2		1.30	.	24763.98	3054.31	18347.16	31180.80
56	30	400S-200W	2-3		1.25	.	24193.21	3027.66	17832.38	30554.04
57	30	400S-200W	3-6		1.18	.	23394.14	3000.54	17090.27	29698.00
58	30	400S-100W	0-2		1.19	.	23508.29	3003.68	17197.84	29818.74
59	30	400S-0W	2-2.5		1.35	.	25334.75	3086.86	18849.55	31819.95
60	30	400S-0W	2.5-4		1.25	.	24193.21	3027.66	17832.38	30554.04
61	30	500S-50E	2-4		0.67	.	17572.30	3169.81	10912.83	24231.77
62	30	500S-50E	4-6		1.38	.	25677.21	3109.14	19145.19	32209.22
63	30	500S-0W	0-2		1.12	.	22709.21	2986.99	16433.83	28984.60
64	30	500S-0W	4-6		1.23	.	23964.90	3018.68	17622.93	30306.88
65	30	500S-100W	4-6		1.17	.	23279.98	2997.66	16982.18	29577.79
66	30	500S-100W	2-4		1.37	.	25563.05	3101.48	19047.12	32078.99
67	30	500S-200W	4-6		1.27	.	24421.52	3037.60	18039.80	30803.24
68	30	500S-300W	5-7		1.28	.	24535.67	3042.93	18142.75	30928.59
69	30	500S-300W	3-5		1.18	.	23394.14	3000.54	17090.27	29698.00
70	30	500S-400W	5-6		0.76	.	18599.69	3094.79	12097.82	25101.55

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	FE_INDEX	FE_LAB	CALC	STDI	L95	U95
71	30	500S-400W	0-2		0.76	.	18599.69	3094.79	12097.82	25101.55
72	30	500S-500W	6-8		0.97	.	20996.91	2992.86	14709.18	27284.64
73	30	500S-500W	4-6		0.74	.	18371.38	3109.92	11837.73	24905.02
74	30	100S-400W	6-8	8-61025	1.10	25600.0	22480.91	2984.48	16210.78	28751.03
75	30	100S-300W	4-6	8-61026	0.94	17000.0	20654.45	3000.85	14349.95	26958.95
76	30	0S-100W	3-5	8-61027	1.24	22000.0	24079.06	3023.05	17727.91	30430.21
77	30	0S-100W	0-2	8-61028	1.45	29800.0	26476.28	3168.88	19818.76	33133.80
78	30	0S-100W	5-7	8-61029	1.22	23200.0	23850.75	3014.56	17517.43	30184.07
79	30	200S-100E	0-2	8-61030	1.58	27000.0	27960.28	3306.77	21013.05	34907.50
80	30	200S-100W	6-10	8-61032	1.08	24200.0	22252.60	2982.99	15985.61	28519.58
81	30	300S-200W	1-3	8-61033	0.84	22400.0	19512.91	3043.48	13118.85	25906.98
82	30	300S-200W	10-15	8-61034	0.87	20400.0	19855.37	3028.13	13493.55	26217.20
83	30	300S-0W	0-2	8-61035	1.16	20000.0	23165.83	2995.02	16873.56	29458.10
84	30	500S-50E	4-6	8-61039	1.15	22800.0	23051.67	2992.64	16764.42	29338.93
85	30	500S-100W	4-6	8-61040	1.15	20800.0	23051.67	2992.64	16764.42	29338.93
86	30	500S-300W	3-5	8-61041	0.92	19000.0	20426.14	3007.41	14107.85	26744.44
87	30	500S-300W	5-7	8-61042	1.33	25000.0	25106.44	3073.14	18650.05	31562.82
88	30	500S-500W	4-6	8-61043	1.01	22800.0	21453.52	2985.74	15180.77	27726.28
89	30	400S-300W	4-6	8-61044	0.96	19800.0	20882.76	2995.28	14589.96	27175.55
90	30	300S-400W	9-11	8-61045	0.98	22400.0	21111.06	2990.71	14827.87	27394.26
91	30	200S-400W	0-2	8-61046	0.58	21400.0	16544.92	3261.91	9691.95	23397.89
92	30	200S-400W	2-8	8-61047	0.65	10600.0	17344.00	3188.84	10644.53	24043.46
93	30	200S-400W	8-10	8-61048	1.00	24400.0	21339.37	2987.14	15063.66	27615.08

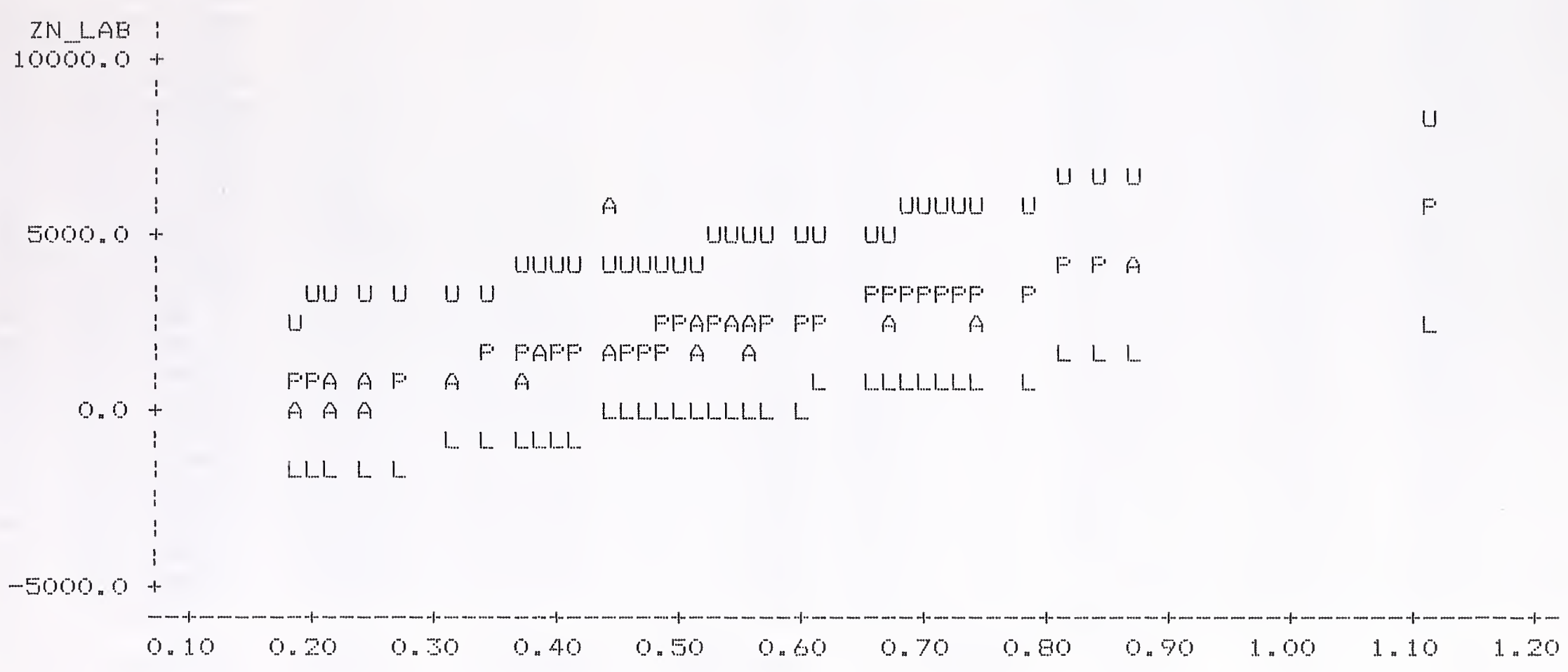
Plot of FE_LAB*FE_INDEX Symbol used is A
Plot of CALC*FE_INDEX Symbol used is P
Plot of U95*FE_INDEX Symbol used is U
Plot of L95*FE_INDEX Symbol used is L



NOTE: 73 obs had missing values 171 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
1	30	0S-400W	0-1		0.31	.	1174.41	1094.99	-1126.06	3474.88
2	30	0S-400W	4-6		0.41	.	1698.35	1080.56	-571.81	3968.50
3	30	0S-300W	0-3		0.51	.	2222.29	1081.40	-49.64	4494.21
4	30	0S-300W	3-5		0.62	.	2798.62	1099.92	487.79	5109.44
5	30	0S-200W	5-7		0.38	.	1541.17	1083.30	-734.74	3817.08
6	30	0S-200W	3-5		0.49	.	2117.50	1080.00	-151.49	4386.49
7	30	0S-200W	0-3		0.50	.	2169.89	1080.63	-100.41	4440.19
8	30	0S-100W	3-5		0.54	.	2379.47	1084.65	100.72	4658.21
9	30	0S-100W	0-1		0.60	.	2693.83	1095.21	392.89	4994.76
10	30	0S-0W	0-2		0.73	.	3374.95	1135.96	988.40	5761.49
11	30	0S-0W	5-7		0.40	.	1645.95	1081.32	-625.80	3917.71
12	30	100S-0W	2.5-5		0.81	.	3794.10	1172.29	1331.22	6256.97
13	30	100S-0W	0-1		0.62	.	2798.62	1099.92	487.79	5109.44
14	30	100S-0W	10-15		0.40	.	1645.95	1081.32	-625.80	3917.71
15	30	100S-100W	6-8		0.75	.	3479.73	1144.28	1075.71	5883.76
16	30	100S-100W	2-6		0.78	.	3636.92	1157.72	1204.64	6069.19
17	30	100S-100W	0-2		0.74	.	3427.34	1140.05	1032.19	5822.49
18	30	100S-200W	3-5		0.66	.	3008.19	1111.07	673.94	5342.44
19	30	100S-200W	1-3		0.70	.	3217.77	1124.47	855.35	5580.18
20	30	100S-200W	0-1		0.71	.	3270.16	1128.17	899.98	5640.34
21	30	100S-300W	4-6		1.12	.	5418.30	1378.43	2522.35	8314.25
22	30	100S-300W	2-4		0.57	.	2536.65	1089.26	248.22	4825.07
23	30	100S-300W	0-2		0.85	.	4003.67	1193.39	1496.48	6510.86
24	30	100S-400W	6-8		1.12	.	5418.30	1378.43	2522.35	8314.25
25	30	100S-400W	4-6		0.69	.	3165.37	1120.91	810.43	5520.31
26	30	100S-400W	2-4		0.69	.	3165.37	1120.91	810.43	5520.31
27	30	100S-400W	0-2		0.72	.	3322.55	1132.00	944.33	5700.78
28	30	200S-400W	8-10		0.20	.	598.08	1127.79	-1771.31	2967.47
29	30	200S-400W	2-8		0.84	.	3951.28	1187.94	1455.53	6447.02
30	30	200S-400W	0-2		0.38	.	1541.17	1083.30	-734.74	3817.08
31	30	200S-300W	4-6		0.50	.	2169.89	1080.63	-100.41	4440.19
32	30	200S-300W	0-2		0.32	.	1226.80	1092.87	-1069.22	3522.83
33	30	300S-200W	4-6		0.61	.	2746.22	1097.49	440.50	5051.95
34	30	300S-200W	2-4		0.40	.	1645.95	1081.32	-625.80	3917.71
35	30	200S-100W	0-2		0.47	.	2012.71	1079.22	-254.63	4280.05

Plot of ZN_LAB*ZN_INDEX Symbol used is A
Plot of CALC*ZN_INDEX Symbol used is P
Plot of U95*ZN_INDEX Symbol used is U
Plot of L95*ZN_INDEX Symbol used is L



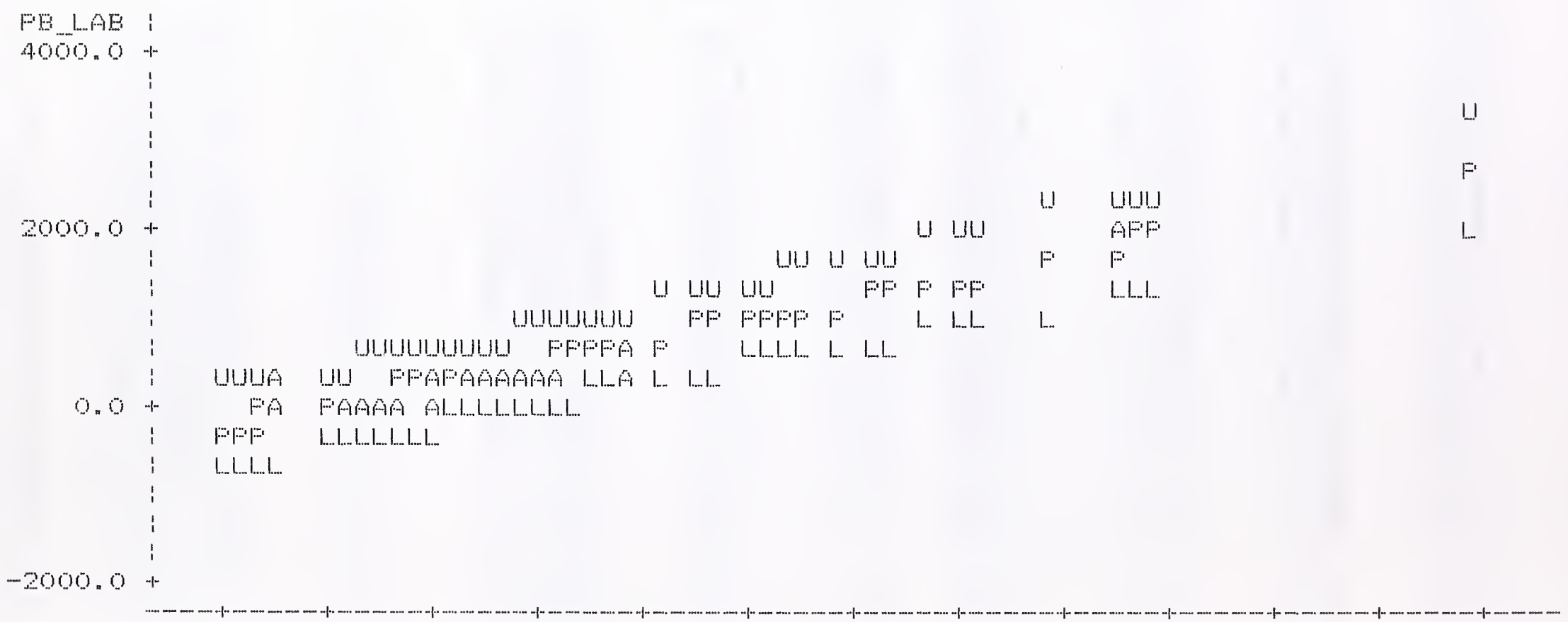
NOTE: 73 obs had missing values 184 obs hidden

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
1	30	0S-400W	0-1		0.50	.	-242.83	210.246	-684.53	198.88
2	30	0S-400W	4-6		0.60	.	-0.53	203.657	-428.39	427.34
3	30	0S-300W	0-3		0.69	.	217.54	200.418	-203.52	638.60
4	30	0S-300W	3-5		0.83	.	556.76	200.722	135.06	978.46
5	30	0S-200W	5-7		0.77	.	411.38	199.789	-8.36	831.12
6	30	0S-200W	3-5		0.92	.	774.83	204.340	345.53	1204.13
7	30	0S-200W	0-3		0.89	.	702.14	202.844	275.98	1128.29
8	30	0S-100W	3-5		0.86	.	629.45	201.636	205.83	1053.07
9	30	0S-100W	0-1		1.11	.	1235.19	220.031	772.93	1697.46
10	30	0S-0W	0-2		1.21	.	1477.49	232.080	989.91	1965.07
11	30	0S-0W	5-7		0.96	.	871.75	206.772	437.34	1306.15
12	30	100S-0W	2.5-5		1.05	.	1089.81	213.981	640.26	1539.37
13	30	100S-0W	0-1		1.17	.	1380.57	226.983	903.70	1857.44
14	30	100S-0W	10-15		1.00	.	968.66	209.687	528.13	1409.20
15	30	100S-100W	6-8		1.39	.	1913.63	258.929	1369.64	2457.61
16	30	100S-100W	2-6		1.36	.	1840.94	254.058	1307.18	2374.69
17	30	100S-100W	0-2		1.13	.	1283.65	222.252	816.72	1750.58
18	30	100S-200W	3-5		1.12	.	1259.42	221.129	794.85	1723.99
19	30	100S-200W	1-3		1.29	.	1671.33	243.278	1160.22	2182.43
20	30	100S-200W	0-1		1.21	.	1477.49	232.080	989.91	1965.07
21	30	100S-300W	4-6		1.08	.	1162.50	216.888	706.84	1618.16
22	30	100S-300W	2-4		1.04	.	1065.58	213.067	617.95	1513.22
23	30	100S-300W	0-2		1.17	.	1380.57	226.983	903.70	1857.44
24	30	100S-400W	6-8		1.37	.	1865.17	255.666	1328.03	2402.30
25	30	100S-400W	4-6		1.20	.	1453.26	230.773	968.43	1938.09
26	30	100S-400W	2-4		1.20	.	1453.26	230.773	968.43	1938.09
27	30	100S-400W	0-2		1.11	.	1235.19	220.031	772.93	1697.46
28	30	200S-400W	8-10		0.53	.	-170.14	207.953	-607.03	266.75
29	30	200S-400W	2-8		0.80	.	484.07	200.105	63.67	904.47
30	30	200S-400W	0-2		0.51	.	-218.60	209.452	-658.64	221.45
31	30	200S-300W	4-6		0.81	.	508.30	200.278	87.53	929.06
32	30	200S-300W	0-2		0.73	.	314.46	199.836	-105.38	734.30
33	30	300S-200W	4-6		0.71	.	266.00	200.060	-154.31	686.31
34	30	300S-200W	2-4		0.86	.	629.45	201.636	205.83	1053.07
35	30	200S-100W	0-2		0.79	.	459.84	199.966	39.73	879.95

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
36	30	200S-100W	6-10		0.79	.	459.84	199.966	39.73	879.95
37	30	200S-0W	0-2		0.92	.	774.83	204.340	345.53	1204.13
38	30	200S-0W	2-4		0.72	.	290.23	199.931	-129.81	710.27
39	30	100E-200S	0-2		1.68	.	2616.29	312.117	1960.56	3272.02
40	30	100E-200S	4-6		0.60	.	-0.53	203.657	-428.39	427.34
41	30	300S-0W	0-2		0.85	.	605.22	201.299	182.31	1028.13
42	30	300S-0W	2-4		0.65	.	120.62	201.532	-302.78	544.02
43	30	300S-100W	0-2		0.72	.	290.23	199.931	-129.81	710.27
44	30	300S-100W	4-6		0.70	.	241.77	200.222	-178.88	662.42
45	30	300S-200W	1-3		0.92	.	774.83	204.340	345.53	1204.13
46	30	300S-200W	10-15		0.74	.	338.69	199.773	-81.02	758.40
47	30	400S-300W	4-6		0.68	.	193.31	200.647	-228.23	614.85
48	30	400S-300W	14-20		0.95	.	847.52	206.118	414.48	1280.55
49	30	300S-400W	0-4		0.65	.	120.62	201.532	-302.78	544.02
50	30	300S-400W	9-11		0.74	.	338.69	199.773	-81.02	758.40
51	30	400S-400W	0-4		0.54	.	-145.91	207.248	-581.31	289.50
52	30	400S-400W	6-8		0.70	.	241.77	200.222	-178.88	662.42
53	30	400S-300W	2-4		0.74	.	338.69	199.773	-81.02	758.40
54	30	400S-300W	4-6		0.76	.	387.15	199.750	-32.51	806.81
55	30	400S-200W	0-2		0.84	.	580.99	200.994	158.72	1003.26
56	30	400S-200W	2-3		0.91	.	750.60	203.810	322.41	1178.78
57	30	400S-200W	3-6		0.70	.	241.77	200.222	-178.88	662.42
58	30	400S-100W	0-2		0.77	.	411.38	199.789	-8.36	831.12
59	30	400S-0W	2-2.5		0.72	.	290.23	199.931	-129.81	710.27
60	30	400S-0W	2.5-4		0.67	.	169.08	200.909	-253.01	591.17
61	30	500S-50E	2-4		0.72	.	290.23	199.931	-129.81	710.27
62	30	500S-50E	4-6		1.02	.	1017.12	211.320	573.16	1461.09
63	30	500S-0W	0-2		0.77	.	411.38	199.789	-8.36	831.12
64	30	500S-0W	4-6		0.74	.	338.69	199.773	-81.02	758.40
65	30	500S-100W	4-6		0.77	.	411.38	199.789	-8.36	831.12
66	30	500S-100W	2-4		0.81	.	508.30	200.278	87.53	929.06
67	30	500S-200W	4-6		0.85	.	605.22	201.299	182.31	1028.13
68	30	500S-300W	5-7		0.85	.	605.22	201.299	182.31	1028.13
69	30	500S-300W	3-5		0.81	.	508.30	200.278	87.53	929.06
70	30	500S-400W	5-7		0.68	.	193.31	200.647	-228.23	614.85

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	PB_INDEX	PB_LAB	CALC	STDI	L95	U95
71	30	500S-400W	0-2		0.54	.	-145.91	207.248	-581.31	289.50
72	30	500S-500W	6-8		0.67	.	169.08	200.909	-253.01	591.17
73	30	500S-500W	4-6		0.85	.	605.22	201.299	182.31	1028.13
74	30	100S-400W	6-8	8-61025	0.75	448.0	362.92	199.745	-56.73	782.57
75	30	100S-300W	4-6	8-61026	0.65	45.0	120.62	201.532	-302.78	544.02
76	30	0S-100W	3-5	8-61027	0.70	144.0	241.77	200.222	-178.88	662.42
77	30	0S-100W	0-2	8-61028	0.88	757.0	677.91	202.409	252.66	1103.15
78	30	0S-100W	5-7	8-61029	0.66	41.0	144.85	201.204	-277.86	567.56
79	30	200S-100E	0-2	8-61030	1.35	2140.0	1816.71	252.467	1286.30	2347.12
80	30	200S-100W	6-10	8-61032	0.62	38.0	47.93	202.710	-377.94	473.81
81	30	300S-200W	1-3	8-61033	0.74	444.0	338.69	199.773	-81.02	758.40
82	30	300S-200W	10-15	8-61034	0.62	24.0	47.93	202.710	-377.94	473.81
83	30	300S-0W	0-2	8-61035	0.77	309.0	411.38	199.789	-8.36	831.12
84	30	500S-50E	4-6	8-61039	0.88	401.0	677.91	202.409	252.66	1103.15
85	30	500S-100W	4-6	8-61040	0.80	296.0	484.07	200.105	63.67	904.47
86	30	500S-300W	3-5	8-61041	0.81	393.0	508.30	200.278	87.53	929.06
87	30	500S-300W	5-7	8-61042	0.88	461.0	677.91	202.409	252.66	1103.15
88	30	500S-500W	4-6	8-61043	0.74	287.0	338.69	199.773	-81.02	758.40
89	30	400S-300W	4-6	8-61044	0.78	337.0	435.61	199.861	15.72	855.50
90	30	300S-400W	9-11	8-61045	0.64	27.0	96.39	201.892	-327.76	520.55
91	30	200S-400W	0-2	8-61046	0.55	400.0	-121.68	206.572	-555.67	312.31
92	30	200S-400W	2-8	8-61047	0.70	345.0	241.77	200.222	-178.88	662.42
93	30	200S-400W	8-10	8-61048	0.55	91.0	-121.68	206.572	-555.67	312.31

Plot of PB_LAB*PB_INDEX Symbol used is A
Plot of CALC*PB_INDEX Symbol used is P
Plot of U95*PB_INDEX Symbol used is U
Plot of L95*PB_INDEX Symbol used is L



NOTE: 73 obs had missing values 174 obs hidden

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
04	0S-0E	0-2	8-61001	29.1	1.82	597.0	1.04	0.66	-0.5
04	100N-100E	0-2	8-61002	35.4	1.49	1260.0	0.95	0.67	-0.5
04	100N-100E	0-2	8-61003	68.3	4.24	1030.0	1.04	0.80	-0.5
04	100N-100E	0-2	8-61004	2.1	0.11	583.0	0.74	0.35	-0.5
04	200N-100E	0-2	8-61005	8.2	0.39	1650.0	0.71	0.36	-0.5
04	0N-200E	5-8	8-61006	5.6	0.35	793.0	0.83	0.36	-0.5
04	0N-300E	4-6	8-61007	3.9	0.35	532.0	0.76	0.34	-0.5
04	0N-400E	4.5-6	8-61011	54.6	3.69	1450.0	1.02	0.88	-0.5
04	100N-300E	0-2	8-61012	23.1	0.77	1500.0	1.09	0.50	-0.5
04	100N-300E	0-2	8-61013	28.9	1.17	1040.0	1.08	0.60	-0.5
04	100N-300E	0-2	8-61014	50.6	3.52	909.0	1.42	1.05	-0.5
04	250S-400E	3-5	8-61015	30.2	1.20	2000.0	1.26	0.64	-0.5
04	250S-400E	3-5	8-61016	6.4	0.42	626.0	0.96	0.36	0.5
04	350S-500E	4-6	8-61017	17.1	0.93	1230.0	0.00	0.00	0.5
04	250S-300E	0-2	8-61019	21.6	1.58	784.0	1.24	0.55	-0.5
04	250S-0E	0-3	8-61020	39.6	2.04	1820.0	1.48	0.73	-0.5
04	250S-0E	0-3	8-61021	6.2	0.51	695.0	1.23	0.41	-0.5
04	100S-400E	0-2	8-61022	22.8	0.80	742.0	1.45	0.76	-0.5
04	100S-400E	0-2	8-61023	14.6	0.96	1250.0	1.23	0.64	-0.5
04	90S-300E	0-2.5	8-61024	35.7	2.50	1370.0	1.31	0.90	-0.5
*** Total ***									
				504.0	28.84	21861.0	20.84	11.56	-8.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
09	900N-200W	0-2	8-39941	1.2	0.07	466.0	0.77	0.44	-0.5
09	900N-200W	0-2	8-39942	1.4	0.07	415.0	0.92	0.46	-0.5
09	900N-200W	0-2	8-39943	-0.5	0.07	453.0	0.83	0.39	-0.5
09	700N-200W	0-2	8-39944	1.0	0.07	420.0	0.81	0.40	-0.5
09	500N-200W	0-2	8-39945	1.2	0.05	452.0	0.87	0.41	-0.5
09	400N-200W	0-2	8-39946	0.6	-0.05	425.0	0.81	0.37	-0.5
09	100N-200W	0-2	8-39947	1.1	-0.05	386.0	0.81	0.39	-0.5
09	0N-100W	0-2	8-39948	1.2	0.05	423.0	0.95	0.40	-0.5
09	200N-100W	0-2	8-39949	0.5	0.05	424.0	0.78	0.36	-0.5
09	300N-100W	0-2	8-39950	1.0	0.08	415.0	0.97	0.39	-0.5
09	500N-100W	0-2	8-39951	1.0	0.07	455.0	0.92	0.37	-0.5
09	700N-100W	0-2	8-39952	2.2	0.10	423.0	0.00	0.00	-0.5
09	800N-100W	8-12	8-40144	-0.5	-0.05	517.0	1.17	0.41	-0.5
09	900N-100W	0-2	8-40145	1.5	0.07	483.0	1.12	0.41	-0.5
09	800N-0W	0-2	8-40146	1.7	0.07	474.0	1.22	0.45	-0.5
09	600N-0W	0-2	8-40147	0.7	0.05	460.0	1.06	0.38	-0.5
09	500N-0W	0-2	8-40148	1.1	0.07	445.0	1.17	0.40	-0.5
09	400N-0W	0-2	8-40149	1.5	0.07	526.0	1.08	0.41	-0.5
09	200N-0W	0-2	8-40150	1.0	0.07	443.0	0.95	0.36	-0.5
09	100N-0W	0-2	8-40188	1.6	0.10	475.0	0.99	0.38	-0.5
*** Total ***				20.5	1.03	8980.0	18.20	7.58	-10.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
10	175S-175E	0-2	8-40051	34.4	2.37	2030.0	1.00	0.47	-0.5
10	175S-120E	.5-1.5	8-40053	27.4	2.18	1520.0	1.01	0.48	-0.5
10	175S-175E	0-2	8-40054	30.7	1.65	1450.0	1.17	0.52	0.5
10	175S-60E	1-4	8-40055	33.5	2.64	2220.0	1.27	0.52	-0.5
10	0N-60E	0-1.5	8-40056	16.8	0.42	357.0	0.49	0.32	-0.5
10	60S-60W	0-1.5	8-40057	12.8	0.18	616.0	0.42	0.31	-0.5
10	60S-60E	0-1.5	8-40059	19.8	0.48	741.0	0.53	0.44	-0.5
10	60S-175E	0-1.5	8-40060	40.3	3.25	1340.0	1.17	0.67	-0.5
10	175N-60E	0-1.5	8-40061	26.4	0.59	372.0	0.51	0.34	-0.5
10	175N-60W	0-1.5	8-40062	18.7	1.07	203.0	0.53	0.31	-0.5
10	420N-75E	0-1.5	8-40063	66.2	4.84	1040.0	1.28	0.83	-0.5
10	300N-175W	12-16	8-40064	22.1	1.02	167.0	0.58	0.31	-0.5
10	175N-175W	0-1.5	8-40065	60.1	2.53	208.0	0.74	0.46	-0.5
10	60N-420E	0-1.5	8-40066	29.9	1.33	701.0	0.84	0.51	-0.5
10	120S-175E	0-1.5	8-40067	37.6	3.09	1860.0	1.28	0.57	-0.5
10	120S-0E	0-1.5	8-40068	83.0	4.84	814.0	1.40	0.55	-0.5
10	120S-60W	0-1.5	8-40069	11.2	0.64	233.0	0.84	0.42	-0.5
10	0N-175W	0-1.5	8-40070	28.9	1.89	918.0	0.94	0.52	-0.5
10	60N-175W	0-1.5	8-40071	25.5	1.42	539.0	0.81	0.44	-0.5
10	120N-175W	0-1.5	8-40072	24.8	0.56	1310.0	0.77	0.77	-0.5
*** Total ***									
				650.1	36.99	18639.0	17.58	9.76	-9.0

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
36	30	200S-100W	6-10		0.24	.	807.65	1113.89	-1532.53	3147.83
37	30	200S-0W	0-2		0.44	.	1855.53	1079.20	-411.76	4122.82
38	30	200S-0W	2-4		0.60	.	2693.83	1095.21	392.89	4994.76
39	30	100E-200S	0-2		0.81	.	3794.10	1172.29	1331.22	6256.97
40	30	100E-200S	4-6		0.52	.	2274.68	1082.33	0.80	4548.56
41	30	300S-0W	0-2		0.38	.	1541.17	1083.30	-734.74	3817.08
42	30	300S-0W	2-4		0.51	.	2222.29	1081.40	-49.64	4494.21
43	30	300S-100W	0-2		0.40	.	1645.95	1081.32	-625.80	3917.71
44	30	300S-100W	4-6		0.25	.	860.05	1110.76	-1473.56	3193.65
45	30	300S-200W	1-3		0.74	.	3427.34	1140.05	1032.19	5822.49
46	30	300S-200W	10-15		0.24	.	807.65	1113.89	-1532.53	3147.83
47	30	400S-300W	4-6		0.56	.	2484.25	1087.57	199.37	4769.14
48	30	400S-300W	14-20		0.73	.	3374.95	1135.96	988.40	5761.49
49	30	300S-400W	0-4		0.38	.	1541.17	1083.30	-734.74	3817.08
50	30	300S-400W	9-11		0.53	.	2327.07	1083.41	50.92	4603.23
51	30	400S-400W	0-4		0.44	.	1855.53	1079.20	-411.76	4122.82
52	30	400S-400W	6-8		0.34	.	1331.59	1089.08	-956.47	3619.65
53	30	400S-300W	2-4		0.51	.	2222.29	1081.40	-49.64	4494.21
54	30	400S-300W	4-6		0.24	.	807.65	1113.89	-1532.53	3147.83
55	30	400S-200W	0-2		0.66	.	3008.19	1111.07	673.94	5342.44
56	30	400S-200W	2-3		0.48	.	2065.10	1079.54	-202.90	4333.11
57	30	400S-200W	3-6		0.35	.	1383.99	1087.41	-900.56	3668.53
58	30	400S-100W	0-2		0.48	.	2065.10	1079.54	-202.90	4333.11
59	30	400S-0W	2-2.5		0.52	.	2274.68	1082.33	0.80	4548.56
60	30	400S-0W	2.5-4		0.32	.	1226.80	1092.87	-1069.22	3522.83
61	30	500S-50E	2-4		0.27	.	964.84	1104.93	-1356.52	3286.19
62	30	500S-50E	4-6		0.46	.	1960.32	1079.06	-306.69	4227.32
63	30	500S-0W	0-2		0.42	.	1750.74	1079.95	-518.14	4019.62
64	30	500S-0W	4-6		0.52	.	2274.68	1082.33	0.80	4548.56
65	30	500S-100W	4-6		0.68	.	3112.98	1117.49	765.23	5460.73
66	30	500S-100W	2-4		0.37	.	1488.77	1084.52	-789.70	3767.24
67	30	500S-200W	4-6		0.42	.	1750.74	1079.95	-518.14	4019.62
68	30	500S-300W	5-7		0.87	.	4108.46	1204.62	1577.66	6639.26
69	30	500S-300W	3-5		0.45	.	1907.92	1079.05	-359.06	4174.91
70	30	500S-400W	5-6		0.45	.	1907.92	1079.05	-359.06	4174.91

OBS	SITE	STA_COOR	DEPTH	TAG_NBR	ZN_INDEX	ZN_LAB	CALC	STDI	L95	U95
71	30	500S-400W	0-2		0.39	.	1593.56	1082.23	-680.11	3867.23
72	30	500S-500W	6-8		0.24	.	807.65	1113.89	-1532.53	3147.83
73	30	500S-500W	4-6		0.54	.	2379.47	1084.65	100.72	4658.21
74	30	100S-400W	6-8	8-61025	0.67	2640.0	3060.58	1114.21	719.73	5401.44
75	30	100S-300W	4-6	8-61026	0.39	2040.0	1593.56	1082.23	-680.11	3867.23
76	30	0S-100W	3-5	8-61027	0.51	1930.0	2222.29	1081.40	-49.64	4494.21
77	30	0S-100W	0-2	8-61028	0.52	1470.0	2274.68	1082.33	0.80	4548.56
78	30	0S-100W	5-7	8-61029	0.22	372.0	702.87	1120.57	-1651.34	3057.07
79	30	200S-100E	0-2	8-61030	0.75	2810.0	3479.73	1144.28	1075.71	5883.76
80	30	200S-100W	6-10	8-61032	0.24	386.0	807.65	1113.89	-1532.53	3147.83
81	30	300S-200W	1-3	8-61033	0.55	2870.0	2431.86	1086.03	150.21	4713.51
82	30	300S-200W	10-15	8-61034	0.18	95.0	493.29	1135.56	-1892.41	2878.99
83	30	300S-0W	0-2	8-61035	0.37	894.0	1488.77	1084.52	-789.70	3767.24
84	30	500S-50E	4-6	8-61039	0.32	1030.0	1226.80	1092.87	-1069.22	3522.83
85	30	500S-100W	4-6	8-61040	0.56	2370.0	2484.25	1087.57	199.37	4769.14
86	30	500S-300W	3-5	8-61041	0.56	2040.0	2484.25	1087.57	199.37	4769.14
87	30	500S-300W	5-7	8-61042	0.87	4210.0	4108.46	1204.62	1577.66	6639.26
88	30	500S-500W	4-6	8-61043	0.54	2320.0	2379.47	1084.65	100.72	4658.21
89	30	400S-300W	4-6	8-61044	0.51	2120.0	2222.29	1081.40	-49.64	4494.21
90	30	300S-400W	9-11	8-61045	0.24	470.0	807.65	1113.89	-1532.53	3147.83
91	30	200S-400W	0-2	8-61046	0.44	5980.0	1855.53	1079.20	-411.76	4122.82
92	30	200S-400W	2-8	8-61047	0.44	1960.0	1855.53	1079.20	-411.76	4122.82
93	30	200S-400W	8-10	8-61048	0.21	623.0	650.47	1124.11	-1711.18	3012.13

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
12	800N-100W	8-12	8-40075	3.0	-0.09	760.0	0.57	0.33	-0.5
12	800N-100E	0-1.5	8-40076	56.9	0.15	1830.0	0.89	0.69	-0.5
12	700N-100E	0-1.5	8-40077	22.4	2.40	265.0	0.61	0.44	-0.5
12	700N-200E	0-1.5	8-40078	28.6	0.75	755.0	1.04	0.65	-0.5
12	700N-300E	0-1.5	8-40079	21.2	0.75	580.0	0.83	0.42	-0.5
12	600N-0E	0-1.5	8-40081	36.7	-0.07	278.0	1.26	0.56	-0.5
12	600N-100W	0-2	8-40083	24.7	1.80	326.0	1.22	0.61	-0.5
12	400N-200W	0-2	8-40084	36.9	8.00	2320.0	1.33	1.03	-0.5
12	400N-0E	0-1.5	8-40085	9.3	1.10	255.0	0.87	0.35	-0.5
12	400N-100E	0-1.5	8-40086	23.0	0.60	415.0	1.03	0.68	-0.5
12	500N-200E	0-1.5	8-40087	15.8	0.80	250.0	1.31	0.52	-0.5
12	300N-200E	0-1.5	8-40088	26.9	1.60	538.0	1.02	0.73	-0.5
12	400N-200E	0-1.5	8-40089	52.3	2.85	422.0	1.67	0.70	-0.5
12	300n-100E	0-1.5	8-40090	17.6	0.60	225.0	0.92	0.52	-0.5
12	300N-0E	0-1.5	8-40091	42.4	10.50	1900.0	2.00	1.15	-0.5
12	200N-170W	0-1.5	8-40092	17.6	1.10	266.0	1.15	0.53	-0.5
12	200N-200E	0-1.5	8-40093	15.6	0.45	283.0	1.24	0.63	-0.5
12	200N-200E	0-1.5	8-40094	16.8	0.65	327.0	1.19	0.61	-0.5
12	0N-100E	2-3	8-40095	56.4	0.40	3400.0	2.03	19.76	1.5
12	100N-190W	0-1.5	8-40096	0.0	2.60	872.0	1.63	0.91	-0.5
*** Total ***				524.1	36.94	16267.0	23.81	31.82	-8.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
14	200S-200E	0-2	8-40475	1.0	0.20	640.0	1.42	0.47	-0.5
14	200S-100E	0-2	8-40476	-0.5	-0.05	537.0	1.25	0.38	-0.5
14	200S-100W	2-6	8-40477	6.0	0.15	503.0	1.17	0.37	-0.5
14	200S-300W	0-2	8-40479	-0.5	0.05	452.0	1.32	0.38	-0.5
14	300S-200W	2-4	8-40481	0.7	0.25	507.0	1.20	0.36	-0.5
14	300S-0W	2-6	8-40482	0.5	-0.05	524.0	1.32	0.39	-0.5
14	300S-200E	0-2	8-40483	-0.5	0.05	558.0	1.40	0.40	-0.5
14	400S-200E	0-2	8-40484	0.5	0.05	586.0	1.18	0.37	-0.5
14	400S-100E	0-2	8-40485	0.6	0.05	504.0	1.21	0.38	-0.5
14	400S-100W	0-2	8-40486	0.7	0.05	544.0	1.15	0.37	-0.5
14	400S-300W	0-2	8-40487	-0.5	0.05	495.0	1.25	0.37	-0.5
14	500S-400W	0-2	8-40488	-0.5	-0.05	455.0	1.15	0.38	0.5
14	500S-0W	0-2	8-40491	0.5	0.10	547.0	0.75	0.41	-0.5
14	500S-0W	0-2	8-40492	-0.5	0.05	612.0	0.78	0.40	-0.5
14	500S-0W	0-2	8-40493	-0.5	-0.05	464.0	0.87	0.41	-0.5
14	500S-0W	0-2	8-40494	0.6	0.05	507.0	0.84	0.38	1.5
14	500S-200W	0-2	8-40495	0.5	0.05	434.0	0.94	0.38	-0.5
14	600S-100W	0-2	8-40496	-0.5	0.05	480.0	0.00	0.00	-0.5
14	600S-100E	0-2	8-40497	-0.5	0.15	448.0	0.84	0.33	-0.5
14	600S-200E	0-2	8-40498	-0.5	-0.05	487.0	0.98	0.36	-0.5
*** Total ***									
				6.6	1.10	10284.0	21.02	7.29	-7.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
15	ON-400E	4.5-6	8-40301	7.9	1.05	1820.0	0.61	0.40	0.5
15	ON-200E	5-8	8-40302	14.8	1.00	3000.0	0.73	0.45	0.5
15	100N-200E	0-2	8-40303	5.2	0.65	1330.0	0.64	0.38	-0.5
15	100N-100E	0-2	8-40304	6.6	0.80	1290.0	0.71	0.41	-0.5
15	ON-0E	0-1.5	8-40305	13.0	0.98	3290.0	0.76	0.46	0.5
15	ON-0E	0-1.5	8-40306	11.2	1.22	2710.0	0.86	0.50	-0.5
15	ON-0E	0-1.5	8-40307	5.7	1.16	938.0	0.76	0.43	-0.5
15	100N-100W	0-2	8-40308	6.8	0.96	1780.0	0.73	0.37	-0.5
15	ON-200W	0-2	8-40309	7.3	0.75	1900.0	0.74	0.39	-0.5
15	100N-300W	0-2	8-40314	4.9	96.00	1300.0	0.76	0.40	-0.5
15	ON-400W	0-2	8-40315	8.5	0.90	1630.0	0.74	0.40	-0.5
15	100S-100W	6-8	8-40316	15.2	1.24	2970.0	0.80	0.47	-0.5
15	100S-500W	0-2	8-40317	12.9	1.65	2310.0	0.77	0.47	-0.5
15	1009S-500W	4-10	8-40318	12.2	1.71	1560.0	0.84	0.53	-0.5
15	100S-500W	0-2	8-40319	5.7	0.57	1000.0	0.73	0.41	-0.5
15	200S-600W	0-2	8-40320	13.2	1.65	3530.0	0.89	0.53	-0.5
15	200S-700W	0-2	8-40321	5.6	0.63	1340.0	0.69	0.39	-0.5
15	100S-700W	0-2	8-40322	6.2	0.92	1440.2	0.68	0.37	0.5
15	ON-600W	0-2	8-40323	7.6	0.94	1610.0	0.72	0.43	-0.5
15	ON-600W	0-2	8-40324	6.7	0.75	1780.0	0.80	0.42	-0.5
*** Total ***									
				177.2	115.53	38528.2	14.96	8.61	-6.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
22	0N-0W	0-2	8-40451	1.1	0.15	556.0	0.89	0.39	-0.5
22	0N-100W	0-2	8-40453	2.2	0.30	564.0	1.04	0.37	-0.5
22	0N-200W	0-2	8-40455	1.5	0.15	610.0	1.00	0.39	-0.5
22	0N-300W	0-2	8-40456	-0.5	0.05	635.0	1.07	0.41	-0.5
22	0N-400W	0-2	8-40457	2.1	0.20	1050.0	0.96	0.38	-0.5
22	0N-500W	0-2	8-40458	1.7	0.15	751.0	1.11	0.40	-0.5
22	0N-700W	0-2	8-40459	1.4	0.15	702.0	1.03	0.37	-0.5
22	0N-900W	0-2	8-40460	2.4	0.15	1580.0	0.96	0.38	-0.5
22	100N-1000W	6-10	8-40461	1.8	0.20	609.0	1.12	0.38	-0.5
22	100N-800W	2-4	8-40462	1.8	0.10	929.0	0.99	0.40	-0.5
22	100N-600W	0-2	8-40463	-0.5	0.05	361.0	1.01	0.41	-0.5
22	100N-400W	0-2	8-40464	1.4	0.15	704.0	0.93	0.37	-0.5
22	100N-200W	0-2	8-40465	2.2	0.25	928.0	1.04	0.41	-0.5
22	100N-0W	0-2	8-40466	1.9	0.25	720.0	0.78	0.47	-0.5
22	200N-500W	0-2	8-40467	2.7	1.20	767.0	0.73	0.44	-0.5
22	200N-700W	0-2	8-40468	2.5	0.40	737.0	0.79	0.47	-0.5
22	200N-900W	0-2	8-40469	4.0	0.40	807.0	0.76	0.45	-0.5
22	300N-800W	0-2	8-40470	4.3	0.30	1330.0	0.74	0.44	-0.5
22	300N-600W	0-2	8-40471	6.1	0.25	965.0	0.78	0.46	0.5
22	300N-500W	0-2	8-40472	3.8	0.30	623.0	0.83	0.46	0.5
*** Total ***				43.9	5.15	15928.0	18.56	8.25	-8.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
24	0S-200W	0-2	8-40499	82.5	5.60	811.0	1.85	0.73	-0.5
24	0S-100W	0-2	8-25025	18.9	1.00	677.0	1.12	0.56	-0.5
24	65S-0W	0-2	8-25026	14.8	0.90	169.0	0.63	0.36	-0.5
24	150S-0W	0-2	8-25027	26.7	2.30	547.0	1.23	0.57	-0.5
24	150S-0W	9-11	8-39838	43.8	13.80	141.0	1.13	0.59	-0.5
24	150S-0W	11-13	8-39839	7.1	0.75	114.0	0.75	0.55	0.5
24	200S-100W	2-6	8-39840	26.7	1.60	296.0	0.93	0.44	-0.5
24	200S-100W	2-6	8-39841	91.0	5.50	525.0	1.12	0.48	-0.5
24	100S-200W	0-2	8-39842	9.5	1.35	437.0	0.58	0.31	1.0
24	100S-300W	0-2	8-39843	22.9	1.60	392.0	0.85	0.41	-0.5
24	200S-300W	0-2	8-39845	12.6	1.00	177.0	1.18	0.50	0.5
24	100S-400W	0-2	8-39847	7.8	0.35	666.0	1.05	0.58	-0.5
24	0S-400W	0-2	8-39848	15.6	0.85	264.0	0.60	0.41	-0.5
24	0S-400W	0-2	8-39849	19.2	95.00	3030.0	0.78	0.84	1.0
24	0S-400W	11-14	8-39850	0.7	0.05	395.0	0.64	0.35	-0.5
24	0S-600W	5-10	8-39895	45.3	2.85	215.0	0.67	0.39	-0.5
24	150S-600W	0-2	8-39896	11.7	0.70	1390.0	0.89	0.48	-0.5
24	150S-500W	4-8	8-39899	55.6	4.15	521.0	1.04	0.52	0.1
24	150S-500W	4-8	8-39900	4.3	0.45	1800.0	0.84	0.72	1.0
24	200S-195W	0-3/16	8-25045	60.6	2.55	4610.0	1.09	1.31	-0.5
*** Total ***				577.3	142.35	17177.0	18.97	11.10	-2.9

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
25	700N-0W	0-2	8-40325	6.0	0.23	803.0	1.08	0.45	-0.5
25	700N-0W	0-2	8-40326	-0.5	-0.05	640.0	1.40	0.46	-0.5
25	700N-0W	0-2	8-40327	0.7	-0.05	652.0	1.38	0.43	-0.5
25	700N-200W	0-2	8-40331	7.9	0.49	765.0	1.11	0.53	-0.5
25	600N-200W	0-2	8-40332	4.2	0.33	758.0	1.01	0.44	-0.5
25	500N-300W	0-2	8-40333	7.3	0.29	493.0	1.00	0.49	-0.5
25	600N-0W	0-2	8-40334	2.8	0.06	810.0	1.08	0.50	-0.5
25	500N-100W	0-2	8-40335	14.2	0.84	610.0	1.10	0.55	-0.5
25	400N-100W	0-2	8-40336	6.5	0.27	577.0	0.69	0.40	-0.5
25	300N-100W	0-2	8-40338	10.2	1.02	712.0	0.77	0.49	-0.5
25	300N-100W	0-2	8-40339	7.4	0.33	565.0	0.84	0.54	-0.5
25	400N-200W	0-2	8-40340	5.3	0.37	853.0	0.93	0.50	-0.5
25	300N-300W	0-2	8-40341	3.7	0.23	724.0	0.66	0.39	-0.5
25	100N-300W	0-2	8-40342	4.9	0.51	806.0	0.87	0.49	-0.5
25	0N-300W	0-2	8-40343	7.3	0.41	605.0	0.69	0.40	-0.5
25	0N-300W	0-2	8-40344	4.7	0.29	624.0	1.05	0.53	-0.5
25	100N-200W	0-2	8-40345	6.0	0.33	608.0	0.86	0.48	-0.5
25	0N-0W	0-2	8-40346	4.8	0.17	514.0	0.75	0.43	-0.5
25	100N-0W	0-2	8-40347	5.8	0.41	732.0	0.99	0.52	-0.5
25	200N-0W	0-2	8-40348	5.4	0.23	702.0	0.98	0.50	-0.5
*** Total ***									
				114.6	6.71	13553.0	19.24	9.52	-10.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
27	200N-200W	0-2	8-61051	41.7	2.81	2360.0	1.06	0.73	-0.5
27	0N-50E	1-4	8-61052	12.4	1.59	1630.0	0.72	0.51	0.5
27	200N-200W	0-2	8-61053	0.5	0.06	245.0	1.07	0.31	0.5
27	200N-50E	0-2	8-61054	30.6	1.93	830.0	0.58	0.29	-0.5
27	300N-300W	0-2	8-61055	1.4	0.08	321.0	1.46	0.38	-0.5
27	400N-600W	4-8	8-61056	3.2	0.45	460.0	1.01	0.36	0.5
27	300N-200W	3-6	8-61058	29.5	3.52	257.0	0.61	0.41	-0.5
27	300N-600W	0-2	8-61059	-0.5	0.06	593.0	1.48	0.37	-0.5
27	300N-500W	0-2	8-61060	7.1	0.51	1410.0	1.05	0.43	0.5
27	100N-400W	0-2	8-61064	32.3	3.08	666.0	1.12	0.75	-0.5
27	100N-500W	2-4	8-61065	36.3	2.48	1250.0	0.92	0.78	-0.5
27	0N-600W	0-2	8-61066	38.8	6.00	1340.0	0.99	0.77	-0.5
27	400N-100W	0-2	8-61067	31.2	1.74	984.0	0.78	0.54	-0.5
27	400N-100W	0-2	8-61068	1.5	0.21	779.0	0.77	0.31	0.5
27	300N-100W	0-2	8-61069	21.1	1.25	135.0	1.36	0.71	-0.5
27	0N-100W	0-2	8-61070	1.8	0.40	2600.0	1.32	0.35	-0.5
27	0N-100W	0-2	8-61071	36.6	2.81	2100.0	1.17	0.82	-0.5
27	100N-300W	0-2	8-61072	37.8	3.19	935.0	1.40	0.89	-0.5
27	100N-300W	0-2	8-61073	25.9	2.02	3350.0	0.86	0.53	-0.5
27	100N-50E	2-4	8-61074	4.0	0.39	1280.0	1.10	0.37	-0.5
*** Total ***									
				393.2	34.58	23525.0	20.83	10.61	-5.0

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
28	100S-500E	2-4	8-40191	7.0	0.55	637.0	0.54	0.28	-0.5
28	400N-200E	0-1.5	8-40193	9.5	0.72	696.0	0.46	0.27	-0.5
28	400S-0E	4-6	8-40194	34.9	1.39	1400.0	0.78	0.49	-0.5
28	500S-100W	6-10	8-40195	38.8	2.22	573.0	0.69	0.40	-0.5
28	500S-300E	2-4	8-40199	3.2	0.10	443.0	0.40	0.23	0.5
*** Total ***				93.4	4.98	3749.0	2.87	1.67	-1.5

SITE	STA_COOR	DEPTH	TAG_NBR	CD_CONC	HG_CONC	MN_CONC	MN_INDEX	NI_INDEX	SE_CONC
30	100S-400W	0-2	8-61025	35.0	3.60	1420.0	0.76	0.62	-0.5
30	100S-300W	0-2	8-61026	11.4	0.32	765.1	0.68	0.42	-0.5
30	0S-100W	0-2	8-61027	13.8	0.98	1550.0	0.90	0.58	-0.5
30	0S-0W	0-4	8-61028	22.6	4.20	672.0	0.97	0.66	-0.5
30	0S-0W	0-4	8-61029	2.7	0.20	527.0	0.87	0.45	-0.5
30	200S-100E	0-2	8-61030	27.9	28.40	2060.0	1.19	0.74	-0.5
30	200S-100W	2-6	8-61032	3.8	0.14	667.0	0.80	0.40	-0.5
30	300S-200W	2-4	8-61033	33.0	1.93	1090.0	0.61	0.46	-0.5
30	300S-200W	2-4	8-61034	1.5	0.11	456.0	0.65	0.34	-0.5
30	300S-0W	2-6	8-61035	9.0	1.13	457.0	0.86	0.48	-0.5
30	500S-50E	2-4	8-61039	30.1	3.20	434.0	0.86	0.46	-0.5
30	100S-100W	6-8	8-61040	22.3	1.44	872.0	0.88	0.58	-0.5
30	500S-300W	0-2	8-61041	29.7	1.64	451.0	0.76	0.52	-0.5
30	500S-300W	0-2	8-61042	38.7	3.10	1550.0	1.11	0.78	-0.5
30	500S-500W	6-8	8-61043	19.7	2.11	1280.0	0.84	0.56	-0.5
30	400S-300W	0-2	8-61044	24.9	1.57	768.0	0.80	0.52	-0.5
30	300S-400W	0-4	8-61045	2.5	0.09	844.0	0.89	0.35	-0.5
30	200S-400W	8-10	8-61046	31.3	1.16	1280.0	0.53	0.36	-0.5
30	200S-400W	8-10	8-61047	19.4	1.05	1550.0	0.60	0.42	-0.5
30	200S-400W	8-10	8-61048	4.5	0.62	2540.0	0.89	0.32	-0.5
*** Total ***									
				383.8	56.99	21233.1	16.45	10.02	-10.0

APPENDIX J

XRF FIELD FORMS

CLARK FORK RIVER SCREENING STUDY

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form B. Grant - DCO Page 1 of 5

Site I.D. CFR-SO-04, Samplers D. Dollhopf, J. Franklin, Date/Time July ~~15~~ 14 (?) 1987 / 11:10

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
Calibration	—	Index		0.44	0.44	0.20	0.20	0.33	0.60	0.23	—
		Count		56	56	26	25	42	75	29	
~~100~~ BG 7-15-87 0S, 0W	0-4"	Index		1.21	1.25	0.43	0.35	0.39	0.69	0.59	Soil w/ rock frag no tailings evidence bare. gravel/sand @ 5"
		Count		155	160	56	46	50	89	76	
~~100S, 0W~~ 0S, 100E	0-1.5"	Index		1.01	1.00	0.46	0.44	0.36	0.65	0.46	Soil w/ veg cover
		Count		131	129	60	58	47	84	60	
~~100S, 0W~~ 0S, 100E	1.5-4"	Index		1.09	1.02	0.72	0.57	0.55	0.92	0.61	Tails w/ abundant roots
		Count		107	100	71	56	54	91	60	
~~100S, 0W~~ 0S, 100E	4"-8"	Index		2.34	2.13	1.19	1.09	0.39	0.80	1.36	buried top soil
		Count		109	98	55	48	18	37	63	
~~100S, 0W~~ 0S, 100E	8"-12"	Index		1.47	1.35	0.40	0.34	0.37	0.68	0.57	Soil, silt loam
		Count		134	123	37	31	34	62	52	
65S, 200E	1.25"-3.5"	Index		1.53	1.60	1.89	1.39	0.75	1.13	1.76	1"-1.25", tails 0"-1" grass root mass & soil
		Count		137	143	169	124	67	101	157	
90S, 300E	0"-2.5"	Index		1.29	1.27	0.82	0.66	0.54	0.93	0.79	1.25"-3.5" = soil
		Count		167	165	106	86	70	121	102	See notes pg. 32
90S, 300E	2.5"-4"	Index		1.19	1.16	0.77	0.66	0.60	1.04	0.74	
		Count		127	123	82	70	64	111	79	" " 32
90S, 300E	4"-10"	Index		1.80	1.79	2.27	1.53	0.81	1.28	1.92	
		Count		177	176	223	150	80	126	189	" " 32
90S, 300E	10"-15"	Index		1.00	0.89	0.29	0.27	0.44	0.84	0.38	
		Count		102	90	30	28	45	85	39	" " 32
100S, 400E	0"-2"	Index		1.20	1.11	0.91	0.70	0.47	0.82	0.82	" " 32
		Count		141	131	107	83	56	97	97	
100S, 400E	3.5"-8"	Index		1.68	1.52	1.51	1.23	0.57	0.99	1.22	" " 32
		Count		168	152	151	123	57	99	122	
100S, 400E	3.5"-8"	Index		1.64	1.46	1.52	1.19	0.54	0.91	1.23	Dup
		Count		169	151	157	123	56	94	127	" " 32

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-04, Samplers D. Dokhopf, J. Franklin, Date/Time July 14 (BR) 1987 / 11:50

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
100S-500E	2"-4" ~~3.5-5"~~ BG 7-15-87	Index		1.19	1.01	0.46	0.42	0.55	0.96	0.48	see page 32
		Count		137	117	54	49	64	111	56	Tails
100S-500E	4"-8"	Index		2.30	1.88	0.72	0.61	0.99	1.47	0.75	" " 32
		Count		240	196	75	64	103	153	79	buried soil
0S-500E	0"-2"	Index		1.71	1.44	0.75	0.58	0.63	1.08	0.76	" " 33
		Count		168	142	74	57	62	106	75	Tails
0S-500E	4"-8"	Index		1.86	1.56	0.92	0.60	0.52	0.92	1.05	" " 33
		Count		185	155	92	60	52	92	104	buried soil
0S-400E	0"-2"	Index		1.52	1.32	0.91	0.71	0.46	0.84	0.80	" " 33
		Count		162	140	97	76	49	90	85	soil
0S-400E	4.5"-6"	Index		1.76	1.64	2.48	1.60	0.64	1.12	2.11	" " 33
		Count		175	163	246	159	64	111	209	buried soil
0S-300E	4"-6"	Index		1.54	1.28	0.89	0.68	0.42	0.87	0.74 ~~1.54~~ (BR)	" " 33
		Count		156	130	90	69	43	88	75 ~~156~~	buried soil
0S-300E	2-4"	Index		1.69	1.37	0.79	0.65	0.58	0.96	0.75	" " "
		Count		154	125	72	60	53	88	69	tails
0S-300E	0-2"	Index		1.85	1.47	1.05	0.79	0.48	0.82	0.92	" " "
		Count		189	150	108	81	49	84	94	soil
0S-200E	5-8"	Index		1.71	1.35	1.44	~~0~~1.14	0.57	0.93	1.18	" " "
		Count		158	125	133	105	47	86	109	buried soil
0S-200E	3-5"	Index		1.32	1.17	0.56	0.50	0.57	0.99	0.54	
		Count		132	117	56	50	57	99	54	
0S-200E	0-3"	Index		1.40	1.16	0.63	0.58	0.57	0.91	0.64	
		Count		131	108	59	54	48	85	60	
replicate 0S-200E	3-5"	Index		1.44	1.15	0.59	0.47	0.57	1.00	0.54	replicate of
		Count		139	111	57	46	55	96	52	3-5"
		Index									
		Count									

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-01, Samplers D. Dollhopf, J. Franklin, Date/Time July 14 (84) 1987

Station Location[1]	Depth		Time	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
75N-400E	0-2"	Index	13:12	1.75	1.38	0.81	0.57	0.51	0.90	0.88	see page 33
		Count		177	140	82	58	52	91	89	organic
75N-400E	5-7"	Index	13:09	1.55	1.25	0.66	0.50	0.44	0.88	0.75	" " "
		Count		170	137	72	55	48	96	82	sand
75N-400E	10-15"	Index	13:13	1.57	1.21	0.39	0.39	0.48	0.89	0.42	" " "
		Count		131	101	33	33	40	74	35	burned soil
100N-300E	0-2"	Index	13:17	2.15	1.63	1.08	0.78	0.58	1.03	0.97	" " 34
		Count		203	154	102	74	55	97	92	organic
100N-300E	2-4"	Index	13:21	2.06	1.66	1.53	1.07	0.66	1.12	1.53	" " "
		Count		165	133	123	86	53	90	123	talus, sandy
100N-300E	4-6	Index	13:22	2.53	2.12	2.24	1.37	0.54	1.28	2.41	" " "
		Count		195	164	173	106	65	99	186	very fine sand
100N-200E	0-2"	Index	13:29	2.11	1.57	1.64	1.11	0.72	1.22	1.61	" " "
		Count		161	120	125	85	55	93	123	
100N-200E	5-7"	Index	13:27	1.85	1.34	0.32	0.42	0.45	0.92	0.42	" " "
		Count		163	118	29	37	40	81	37	silt loam
100N-100E	0-2"	Index	13:35	2.03	1.53	1.36	0.98	0.60	1.03	1.23	" " "
		Count		163	123	109	79	48	83	99	organic
100N-100E	4-6"	Index	13:33	2.57	2.02	2.89	1.68	0.81	1.28	3.33	" " "
		Count		193	152	217	126	61	96	250	moist silt loam
100N-100E	10-15"	Index	13:37	1.97	1.34	0.42	0.46	0.53	0.92	0.47	" " "
		Count		158	102	32	35	41	70	36	loamy, gravel
200N-100E	0-2"	Index	13:43	1.58	1.09	0.59	0.52	0.48	0.96	0.59	" " "
		Count		136	94	51	45	42	83	51	
200N-100E	2-6"	Index	13:46	1.75	1.32	0.53	0.51	0.43	0.84	0.57	" " "
		Count		160	121	49	47	40	77	52	sandy
		Index									" " "
		Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO -04, Samplers M. Roberts, J. Franklin, Date/Time July 17 1987 / 13:48

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
2505 -0E	0-3"	Index	14:03	3.45	2.58	1.47	1.04	0.60	0.94	1.35	see page 34
		Count		321	240	137	97	56	88	126	
2505 - 0E	3-5"	Index	13:59	1.58	1.23	1.25	0.83	0.63	1.10	1.28	" " "
		Count		135	105	107	71	54	94	109	tails
2505-0E	5-8"	Index	13:52	1.79	1.32	0.59	0.53	0.43	0.81	0.63	" " "
		Count		147	109	49	44	36	67	52	silt loam
2505-100E	03"	Index	14:11	1.75	1.33	0.85	0.67	0.48	0.82	0.79	" " 35
		Count		181	138	88	70	50	85	82	organic
2505-100E	3-5"	Index	14:08	1.80	1.34	1.20	0.88	0.61	1.05	1.10	" " "
		Count		162	121	108	80	55	95	99	
2505-100E	5-8"	Index	14:06	1.98	1.55	1.39	0.96	0.65	1.09	1.44	" " "
		Count		165	129	116	80	54	91	120	silt loam
2505-200E	0-2"	Index	14:14	2.16	1.58	1.00	0.83	0.63	1.07	0.97	" " "
		Count		171	125	79	66	50	85	77	organics
2505-200E	5-7"	Index	14:13	1.91	1.48	1.57	1.06	0.61	1.08	1.51	" " "
		Count		159	123	131	88	51	90	126	
2505-200E	10-15"	Index	14:19	1.47	1.09	0.34	0.38	0.46	0.88	0.39	" " "
		Count		130	96	30	34	41	78	35	silt loam
2505-300E	0-2"	Index	14:25	1.91	1.46	1.02	0.75	0.65	1.10	0.97	" " "
		Count		153	117	82	60	52	88	78	organics
2505-300E	5-7"	Index	14:23	1.68	1.37	1.36	0.93	0.57	1.00	1.44	" " "
		Count		147	120	119	81	50	87	126	loam
2505-400E	~~5-7"~~ 3-5"	Index	14:28	1.58	1.12	0.32	0.40	0.43	0.85	0.41	" " "
		Count		144	102	30	37	40	78	38	loam
2505-400E	1-3"	Index	14:31	1.95	1.50	1.32	0.94	0.60	1.07	1.40	" " "
		Count		184	141	125	89	57	101	132	
2505-400E	0-1" ~~5-7"~~	Index	14:33	2.04	1.51	1.51	1.07	0.57	1.03	1.46	" " "
		Count		180	133	133	95	51	91	129	loam BR

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form
Site I.D. CFR-50-04, Samplers M. Babcock, J. Franklin, Date/Time July 1957 14 / 14:35

Station Location[1]	Depth		Time	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
2505-500E	4-6"	Index Count	14:35	1.43 125	1.05 92	0.37 33	0.40 35	0.48 42	0.96 84	0.43 38	see page 36 loam
2505-500E	2-4"	Index Count	14:39	2.10 187	1.53 137	1.44 129	0.98 88	0.62 56	1.05 94	1.25 112	" " " fault
2505-500E	0-2"	Index Count	14:42	1.90 168	1.46 129	1.25 110	0.92 81	0.62 55	1.10 97	1.14 101	" " " organic
3505-500E	4-6"	Index Count	14:48	1.60 136	1.09 93	0.36 31	0.42 36	0.48 41	0.95 81	0.44 38	" " " loam
3505-500E	0-2"	Index Count	14:46	1.81 158	1.34 117	0.89 78	0.75 66	0.57 50	0.97 85	0.89 78	" " " organic
3505-400E	6-8"	Index Count	(BR) 15 14:52	2.33 168	1.73 125	1.26 91	0.94 68	0.68 49	1.20 87	1.40 101	" " " loam
3505-400E	4-6"	Index Count	14:54	1.65 126	1.22 93	1.18 90	0.90 69	0.64 49	1.10 84	1.14 87	" " " fault
3505-400E	(BA) 0-4"	Index Count	14:57	2.20 152	1.63 113	1.08 75	0.95 66	0.71 49	1.14 79	1.01 70	" " " organic
1755-100E	level 3 4-6"	Index Count	15:05	2.30 339	1.68 247	0.78 116	0.71 105	0.61 91	1.08 159	0.78 115	" " " "
1755-100E	level 2 2-4"	Index Count	1 (BA) 15:22	2.31 517	1.71 383	1.04 233	0.80 180	0.65 147	1.15 257	1.08 243	" " " "
1755-100E	level 1 0-2"	Index Count	15:14	2.25 656	1.67 487	1.10 321	0.83 243	0.67 196	1.17 343	1.16 340	" " " "
1755-100E	10-15"	Index Count	15:15	2.21 808	1.26 593	0.95 349	0.76 279	0.65 238	1.15 420	1.04 381	" " " "
1505-0E	4-6"	Index Count									" " #37 loam
1505-0E	0-2"	Index Count									" " #37 organic

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

July 14 and 15, 1987 Page 1 of 2

XRF Field Data Form

Site I.D. CFR-SO-04, Samplers Connick, Roberts, Fraundorf, Date/Time ____/____

Station Location[1]	Depth		Time	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							Tag Number
05-0E 04-01	0-2"	Index	July 14, 1987 16:43	1.04 467	1.44 641	0.60 ~~641~~ 267	0.53 240	0.52 232	0.88 393	0.66 294	8-61001
100N-100E 04-02	0-2"	Index	16:59	0.95 499	1.25 654	0.75 396	0.76 400	0.44 231	0.76 398	0.67 355	8-61002
" 04-03	4-6"	Index	17:04	1.04 489	1.39 657	0.93 441	0.88 416	0.59 279	0.96 452	0.80 377	8-61003
" 04-04	10-15"	Index	17:06	0.74 382	0.95 493	0.23 123	0.21 109	0.32 168	0.62 322	0.35 185	8-61004
200N-10 0E 04-05	5-8"	Index	17:35	0.71 380	0.87 467	0.29 158	0.29 158	0.34 182	0.62 334	0.36 195	8-61005
calibrate		Index	July 15, 87 7:45	0.38 31	0.33 27	0.16 13	0.19 16	0.27 22	0.49 40	0.20 17	calibrate
04-06 0N-200E	5-5"	Index	7:57	0.83 189	0.96 219	0.32 74	0.28 64	0.33 77	0.64 146	0.36 82	8-61006
0407 0N-300E	4-6"	Index	8:10	0.76 179	0.89 209	0.24 58	0.23 56	0.33 78	0.63 148	0.34 81	8-61007
0N-400E 04-11	4.5-6"	Index	8:25	1.02 234	1.16 255	1.16 253	0.96 211	0.50 110	0.86 188	0.88 193	8-61011
100N-300E 04-12	0-2"	Index	8:38	1.09 240	1.20 265	0.60 134	0.53 117	0.42 94	0.76 169	0.50 112	8-61012
100N-300E 04-13	2-4"	Index	8:40	1.08 229	1.14 243	0.71 151	0.59 127	0.46 99	0.83 176	0.60 128	8-61013
04-14 100N-300E	4-6"	Index	8:42	1.42 272	1.43 275	1.27 243	0.97 186	0.62 119	1.01 193	1.05 201	8-61014
04-15 250S-400E	0-1"	Index	9:21	1.26 256	1.27 258	0.71 146	0.61 125	0.47 97	0.84 171	0.64 130	8-61015
04-16 250S-400E	3-5"	Index	9:26	0.96 203	0.96 202	0.32 69	0.30 63	0.36 76	0.66 139	0.36 77	8-61016

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include orientation, reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. OFR-50-04, Samplers Kennick, Babcock, Franklin, Date/Time July 15 1987

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
3505-500E 04-17	0-2"	Index Count	9:45	1.32 240	1.22 241	0.66 131	0.57 113	0.44 88	0.80 157	0.62 123	S-61017
3505-500E 04-18	0-2"	Index Count	9:47	1.25 235	1.19 224	0.63 118	0.52 99	0.44 83	0.79 149	0.57 107	S-61018 replicate
vegetation Sporobolus spp	3505-500E	Index Count	9:42	0.25 15	0.21 13	0.25 15	0.20 12	0.31 19	0.55 33	0.20 12	vegetation
Sporobolus spp	2505-500E	Index Count	10:03	0.32 16	0.28 14	0.22 11	0.22 11	0.42 21	0.71 35	0.24 12	vegetation
2505-500E 04-19	0-2"	Index Count	10:04	1.24 248	1.14 227	0.60 120	0.50 100	0.42 85	0.79 158	0.55 111	S-61019
2505-0E 04-20	0-3"	Index Count	10:15	1.48 265	1.39 250	0.89 161	0.72 130	0.53 96	0.91 163	0.73 132	S-61020
2505-0E 04-21	5-8"	Index Count	10:20	1.23 235	0.13 217	0.37 72	0.32 62	0.42 81	0.78 149	0.41 80	S-61021
1005-400E 04-22	0-2"	Index Count	10:42	1.45 265	1.37 251	0.85 155	0.67 123	0.52 96	0.90 164	0.76 140	S-61022
1005-400E 04-23	3.5-8"	Index Count	10:48	1.23 231	1.02 191	0.60 114	0.50 95	0.40 75	0.73 138	0.64 120	S-61023
905-300E 04-24	4-10"	Index Count	10:58	1.31 500	1.25 479	1.07 411	0.88 337	0.51 198	0.89 340	0.90 345	S-61024
905-300E		Index Count		0.28 33	0.25 29	0.24 28	0.22 26	0.38 44	0.65 75	0.22 26	Sporobolus vegetation
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-09, Samplers B. Grant DCO, D. Dollhopf, J. Franklin-EN, Date/Time July 09 1987 / 10:45

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			Spectral Peak Area								
500N, 0W	0"-2"	Index		0.83	1.10	0.24	0.24	0.34	0.65	0.40	30 second counts loam dry
		Count		108	143	37	31	45	84	57	no rocks
500N, 0W	2"-8"	Index		0.88	1.09	0.30	0.24	0.36	0.69	0.41	loam with rock frags.
		Count		120	149	41	33	50	94	57	no rocks
500N, 0W	9"-15"	Index		0.90	1.08	0.28	0.21	0.37	0.70	0.38	loam, brown
		Count		124	149	39	30	51	96	53	
400N, 0W	0"-2"	Index		0.97	1.15	0.26	0.26	0.34	0.64	0.42	loam w/ rock frags
		Count		138	164	38	37	49	91	60	
300N, 0W	0"-2"	Index		1.02	1.20	0.25	0.23	0.37	0.69	0.37	
		Count		139	162	35	32	50	94	51	
200N, 0W	0"-2"	Index		0.98	1.02	0.27	0.24	0.35	0.67	0.39	
		Count		131	136	37	32	47	90	53	
100N, 0W	0"-2"	Index		0.92	0.99	0.27	0.26	0.34	0.68	0.40	
		Count		127	137	38	37	48	95	56	
0N, 0W	0"-2"	Index		1.14	1.14	0.32	0.28	0.40	0.78	0.45	abundant rock fragments, sparse plants, depositional area from slope erosion
		Count		141	141	40	35	50	96	56	
0N, 100W	0"-2"	Index		1.26	1.31	0.29	0.25	0.35	0.65	0.43	brown loam with rock frags
		Count		166	172	39	34	46	86	57	dry
100N, 100W	0"-2"	Index		1.13	1.13	0.32	0.27	0.34	0.66	0.39	
		Count		144	144	41	35	44	84	50	
200N, ~~100W~~ 200W	0"-2"	Index		1.16	1.22	0.27	0.24	0.38	0.73	0.37	brown loam, w/ rocks below 2"
		Count		145	153	34	31	48	92	47	dry
300N, 100W	0"-2"	Index		1.31	1.31	0.28	0.24	0.40	0.75	0.40	brown loam with rock frags
		Count		158	158	34	29	48	90	48	dry
400N, 100W	0"-2"	Index		1.25	1.22	0.31	0.27	0.37	0.75	0.40	
		Count		146	142	37	32	44	87	47	
500N, 100W	0"-2"	Index		1.10	1.09	0.27	0.25	0.34	0.70	0.38	
		Count		144	142	36	33	45	91	50	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include station reference

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Page 2 of 5

Site I.D. CFR-SO-09, Samplers J. Franklin, D. Dollhopf, Date/Time July 09 1987 / 11:35

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
600N-100W	0"-2"	Index		1.28	1.19	0.30	0.27	0.36	0.74	0.40	brown loam w/ rock frags. Auger refusal @ 4"
		Count		158	147	38	34	45	92	50	
700N-~~100W~~ 100W BL 7-09-87	0"-2"	Index		1.33	1.36	0.30	0.27	0.40	0.77	0.44	brown loam w/ rock frags. Some
		Count		158	161	36	33	48	92	53	
700N-100W	8"-12"	Index		1.20	1.18	0.27	0.24	0.41	0.79	0.38	brown loam
		Count		140	137	32	28	48	92	45	
800N-100W	8"-12"	Index		1.28	1.29	0.31	0.27	0.38	0.71	0.42	brown loam
		Count		155	157	38	33	46	87	52	
900N-100W	0"-2"	Index		1.40	1.40	0.28	0.26	0.41	0.76	0.46	" "
		Count		176	175	36	33	52	95	58	
900N-0W	0"-2"	Index		1.26	1.27	0.27	0.26	0.40	0.75	0.38	" " rocks
		Count		154	156	34	32	50	92	47	
800N-0W	0"-2"	Index		1.23	1.28	0.28	0.28	0.41	0.78	0.41	" "
		Count		149	155	35	34	50	95	50	
700N-0W	0"-2"	Index		1.35	1.34	0.29	0.27	0.38	0.69	0.42	" "
		Count		165	164	36	33	47	85	52	
600N-0W	0"-2"	Index		1.18	1.18	0.25	0.26	0.38	0.72	0.39	" "
		Count		139	139	30	31	45	85	46	
500N-200W	0"-2"	Index		1.22	1.30	0.28	0.23	0.34	0.66	0.43	" "
		Count		159	170	37	30	45	87	57	
400N-200W	0"-2"	Index		1.13	1.16	0.28	0.23	0.37	0.72	0.35	" "
		Count		147	150	37	30	49	93	46	
400N-200W	8"-12"	Index		0.94	1.00	0.28	0.22	0.32	0.64	0.38	" "
		Count		127	136	38	30	44	87	52	
400N-200W	12"-16"	Index		0.88	0.98	0.27	0.20	0.36	0.69	0.37	Loamy sand
		Count		105	116	32	24	43	82	44	
300N-200W BL 7-09-87		Index		1.10	1.18	0.29	0.26	0.35	0.66	0.44	
		Count		144	154	38	34	46	87	58	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Page 1 of 5

Site I.D. CFR-SO-10, Samplers D. Dollhopf, B. Grant, Date/Time 6-23-87 / 8:38

Station Location[1]	Depth		Spectral Peak Area: 8 S	1 Mn	2 Fe	4 Cu	5 Zn	6 As	7 Pb	3 Ni	Comments[1]
		Index	0.08	0.81	1.17	0.35	0.37	0.36	0.70	0.46	STANDARDS
		Count	14	120	173	52	55	53	103	68	
175 S, 175 E	0"-2"	Index	0.09	0.91	1.19	0.44	0.41	0.44	0.77	0.47	root material
		Count	16	124	162	60	57	60	106	65	
175 S, 175 E	2"-4"	Index	0.08	1.36	1.70	0.59	0.59	0.42	0.76	0.63	tailings mixed with soil, some reddish orange colo
		Count	17	196	246	86	85	61	110	92	
175 S, 120 E	0.5"-1.5"	Index	0.08	1.05	1.26	0.45	0.43	0.43	0.76	0.45	looks uncontaminated roots present mostly organics
		Count	16	154	185	66	64	64	112	67	
175 S, 120 E	6"-7.5"	Index	0.09	1.34	1.50	0.29	0.25	0.34	0.69	0.43	largly buried red-orange tailings.
		Count	17	196	220	43	37	51	101	64	
175 S, 60 E	1"-4"	Index	0.09	1.26	1.30	~~0.57~~ BG 0.74	0.64	0.45	0.79	0.57	looks uncontaminated roots present mostly organics
		Count	17	187	193	~~85~~ 110 BG	96	67	118	85	
175 S, 0 E	0"-2"	Index	0.09	1.08	1.17	0.38	0.33	0.39	0.70	0.44	tailings start @ 6" 0-2" little or no tailings roots present, 2 feet from river
		Count	18	158	170	56	49	57	102	65	
120 S, 60 W	0"-1.5"	Index	0.09	1.14	1.22	0.37	0.33	0.54	0.92	0.45	tailings at 4", roots present, mostly soil a little tailings
		Count	19	159	170	52	47	76	129	63	
120 S, 60 W	BG 4"-6"	Index	0.08	0.57	0.64	~~0.27~~ BG 0.26	0.24	0.43	0.74	0.27	lt. buff tailings
		Count	17	~~[illegible]~~ 86 BG	97	40	36	65	111	41	
120 S, 0 E	0"-1.5"	Index	0.09	0.53	0.62	0.35	0.32	0.44	0.82	0.31	tailings, yellow
		Count	16	71	83	47	43	59	109	42	
120 S, 0 E	9"-11"	Index	0.07	1.24	1.40	0.47	0.46	0.59	1.00	0.51	tailings, brown
		Count	16	176	198	67	65	84	142	73	
120 S, 60 E	0"-1.5"	Index		0.68	0.76	0.33	0.29	0.46	0.82	0.37	tailings, orangish buff
		Count	ND	100	111	49	43	67	119	54	
120 S, 120 E	0"-1.5"	Index		1.09	1.22	0.50	0.43	0.68	1.09	0.48	tailings
		Count	ND	122	136	56	48	76	122	54	
Oxbow bend 120 S, 175 E	0"-1.5"	Index		1.22	1.31	0.57	0.44	0.49	0.82	0.55	roots, mixed soil, tailings, mostly soil, <3% tailings
		Count	ND	158	170	74	58	64	107	72	

ND = No Data

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Co[illegible]ts s[illegible]d i[illegible]de [illegible]tat[illegible] refe[illegible]ce.

XRF Field Data Form

Site I.D. CFR-SO-09, Samplers B. Grant, J. Franklin, D. Dalbey, Date/Time July 09 1997 / 12:45

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
200N, 200W	0"-2"	Index		1.14	1.28	0.28	0.22	0.37	0.72	0.41	brown loam w/some rock frags
		Count		148	166	37	29	49	94	53	
100N, 200W	0"-2"	Index		0.93	1.05	0.27	0.26	0.38	~~0.25~~ 126 7-09-97 0.75 98	0.40	" "
		Count		188	133	35	33	49		51	
ON, 200W	0"-2"	Index		0.85	1.01	0.28	0.22	0.37	0.77	0.40	" "
		Count		109	129	36	28	48	99	52	
600N, 200W	0"-2"	Index		0.86	1.00	0.31	0.24	0.34	0.66	0.41	" " moist
		Count		125	145	46	35	50	97	60	
700N, 200W	0"-2"	Index		0.77	0.91	0.23	0.18	0.33	0.61	0.34	brown loam w/rock frags. moist
		Count		115	136	35	28	50	91	51	
800N, 200W	0"-2"	Index		0.80	1.01	0.22	0.17	0.31	0.57	0.36	" "
		Count		134	170	37	30	52	96	61	"
900N, 200W	0"-2"	Index		1.84	1.05	0.26	0.20	0.33	0.66	0.43	" "
		Count		116	145	36	28	46	92	60	"
900N, 200W	8"-12"	Index		0.96	1.13	0.23	0.24	0.36	0.70	0.44	B-Horizon moist
		Count		125	147	30	31	47	91	57	
900N, 200W	18"-24"	Index		0.90	1.06	0.28	0.22	0.34	0.70	0.49	Sandy loam moist
		Count		99	116	31	24	38	77	54	
~		Index		100 second counts							
		Count									
900N, 200W	0"-2"	Index		0.77	0.98	0.27	0.23	0.33	0.64	0.44	B-39941
		Count		367	468	133	110	160	308	211	
900N, 200W	8"-12"	Index		0.92	1.10	0.28	0.22	0.31	0.59	0.46	B-39942
		Count		414	494	130	102	140	268	209	
900N, 200W	18"-24"	Index		0.83	1.07	0.23	0.20	0.33	0.62	0.39	B-39943
		Count		395	508	110	99	157	295	187	
700N, 200W	0"-2"	Index		0.81	1.01	0.24	0.20	0.33	0.63	0.40	B-39944
		Count		400	499	122	101	165	314	198	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-09, Samplers J. Franklin, D. Dallhoff, Date/Time July 09 1987 / 14:45

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
500N-200W	0"-2"	Index		0.87	1.05	0.25	0.20	0.33	0.63	0.41	AC 7-09-87
		Count		421	507	123	101	163	307	200	8-39946 5
400N-200W	0"-2"	Index		0.81	1.00	0.24	0.20	0.32	0.62	0.37	
		Count		401	494	121	100	160	307	183	8-39946 5
100N-200W	0"-2"	Index		0.81	0.96	0.26	0.22	0.34	0.65	0.39	
		Count		387	460	125	106	162	313	187	8-39947 3
0N-100W	0"-2"	Index		0.95	1.14	0.26	0.22	0.31	0.62	0.40	
		Count		478	574	132	112	160	316	205	8-39948 3
200N-100W	0"-2"	Index		0.78	0.89	0.25	0.21	0.34	0.65	0.36	
		Count		385	438	125	105	167	320	178	8-39949 3
300N-100W	0"-2"	Index		0.97	1.07	0.25	0.21	0.34	0.65	0.39	
		Count		469	520	124	102	165	316	193	8-39950 3
500N-100W	0"-2"	Index		0.92	1.02	0.26	0.23	0.34	0.64	0.37	
		Count		432	481	126	112	160	303	178	8-39951 11 5
700N-100W	0"-2"	Index		1.09	1.20	0.28	0.23	0.34	0.66	0.42	8-40142
		Count		520	569	136	113	165	315	201	~~8-39952~~ AC 07-09-87
700N-100W	0"-2"	Index		1.09	1.19	0.30	0.25	0.37	0.71	0.44	
		Count		4885 AC	530	136	113	167	315	197	8-40143 3
800N-100W	~~0"-2"~~ 8"-12" (BR) July 9, 87	Index		1.17	1.23	0.27	0.23	0.40	0.76	0.41	7-9-87
		Count		452	474	107	91	156	292	161	8-~~40144~~ 40144 (BR)
900N-100W	0"-2"	Index		1.12	1.19	0.27	0.24	0.34	0.66	0.41	
		Count		500	531	124	108	152	294	186	8-40145
800N-0W	0"-2"	Index		1.22	1.23	0.30	0.24	0.35	0.69	0.45	
		Count		553	558	136	112	162	313	204	8-40146 5
600N-0W	0"-2"	Index		1.06	1.06	0.26	0.23	0.34	0.67	0.38	
		Count		477	475	119	104	155	302	171	8-40147 5
500N-0W	2"-8"	Index		1.17	1.14	0.28	0.26	0.37	0.69	0.40	
		Count		486	473	118	109	154	289	169	8-40148 3

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include [illegible]

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. Site 09, Samplers D. Dollhopf, J. Franklin, Date/Time 1987/17:05 JC409

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
400N-0W 16:50	0-2"	Index		1.08	1.05	0.29	0.26	0.36	0.70	0.41	S-40149 3
		Count		406	450	125	112	158	300	176	
200N-0W	0-2"	Index		0.95	0.96	0.28	0.25	0.36	0.70	0.36	S-40150 3
		Count		400	405	118	107	155	297	153	
100N-0W	0-2"	Index		0.99	0.98	0.29	0.27	0.36	0.70	0.38	~~S-40188~~ ~~S-40151~~ 3
		Count		416	413	122	115	154	294	163	BR Jul 9, 87
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
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		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

XRF Field Data Form

Site I.D. CFR-SO-10, Samplers D. Dollhopf, B. Grant, Date/Time 6-23-81/13:25

Station Location[1]	Depth		S	Spectral Peak Area 1 Mn	2 Fe	4 Cu	5 Zn	6 As	7 Pb	3 Ni	Comments[1]
S 60S, 175E 0x60w	0"-1.5" ~~oxbow BG~~	Index		1.25	1.44	0.60	0.51	0.48	0.81	0.56	0-2" soil, <5% tails greater than 2" soil, tailings mix 2
		Count	ND	180	207	86	73	70	116	81	
60S, 120E	0-1.5"	Index		0.67	0.72	~~0.39~~ 0.40	0.54	0.43	0.75	0.59	lt. buff tails 1
		Count	ND	106	115	~~62~~ BG 64	54	68	119	62	
60S, 60E	0-1.5"	Index		0.57	0.61	0.46	0.36	0.39	0.69	0.45	tailings 1
		Count	ND	91	96	73	58	62	109	71	
60S, 0E	0-1.5"	Index		0.58	0.65	0.40	0.34	0.39	0.68	0.39	tailings. lt. tan to grey 1
		Count	ND	99	112	68	58	66	116	67	
S 60S, 60W	0-1.5"	Index		0.55	0.59	0.30	0.29	0.40	0.75	0.34	tailings 1
		Count	ND	85	91	47	45	61	114	52	
60S, 120W	0-1.5"	Index		0.75	0.78	0.42	0.36	0.45	0.84	0.40	tailings 1
		Count	ND	104	108	58	50	63	116	55	
0N, 175W	0-1.5"	Index		1.23	1.34	0.67	0.53	0.59	0.98	0.64	greyish brown 1
		Count	ND	160	175	88	70	77	128	84	tailings
0N, 60W	0-1.5"	Index		0.73	0.79	0.33	0.29	0.43	0.79	0.36	tailings, 1
		Count	ND	116	125	53	47	69	125	58	lt. buff
S 0N, 60E	0-1.5"	Index		0.64	0.70	0.34	0.28	0.40	0.76	0.34	tailings 1
		Count	ND	96	106	52	42	61	115	51	greyish tan to buff
0N, 175E 0x60w	0-1.5" ~~oxbow BG~~	Index		0.74	0.78	0.40	0.35	0.42	0.75	0.40	mostly soil 0-1.5" 20% tailings 1
		Count	ND	107	113	59	51	61	108	58	Deeper than 1.5" = tails
60N, 175E	0-1.5"	Index	0.10	0.89	0.95	0.34	0.34	0.44	~~0.34~~ BG 0.75	0.40	buried tails at 4 inches. mostly 2
		Count	20	141	150	54	54	70	119	63	soil, roots, <10% tails 2
175N, 175E	0-1.5"	Index		1.16	1.31	0.42	0.36	0.62	1.03	0.49	50% tails, 50% soil roots. Tailings at 2
		Count	ND	145	164	53	46	78	129	62	3 inches
S 175N, 60E	0-1.5"	Index		0.66	0.71	0.32	0.29	0.49	0.83	0.33	roots, soil with 2 10% tails. Tailing
		Count	ND	104	112	51	47	78	131	52	at 4 inches
S 175N, 60W BG	0-1.5"	Index		0.84	0.92	0.28	0.24	0.41	0.74	0.33	roots, soil with 2 10% tails. Tails
		Count	ND	141	154	47	41	69	123	56	at 4 inches

ND = No Data

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location. Comments should include data quality reference.

XRF Field Data Form

Page 3 of 5

Site I.D. CFR-SO-10, Samplers D. Dollhopf, B. Grant, Date/Time 6-23-87 / 14:41

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
H-Zn S 120N 175W	0-1.5 in	Index		0.70	0.78	1.11	0.85	0.49	0.53	0.88	tailings, lt. blue stain on surface some decomposed wood fragments
		Count	ND	92	103	146	112	65	109	116	
S 60N, 175W	0-1.5 in	Index	0.10	0.75	0.81	0.46	0.45	0.45	0.77	0.41	Stream sand? <10% tails
		Count	19	120	129	74	72	72	123	65	
60N, 60W	0-1.5 in	Index		0.62	0.67	0.35	0.36	0.45	0.81	0.35	bare tails @ surface lt. buff color
		Count	ND	85	93	49	50	62	112	49	
60N, 60E	0-1.5 in	Index		0.99	1.12	0.43	0.36	0.46	0.82	0.46	bare tails @ surface
		Count	ND	138	157	60	51	65	114	65	
S 60N, 420E	0-1.5 in	Index		0.94	1.09	0.69	0.58	0.43	0.75	0.59	<25% tails, roots tailings begin at 2 inches
		Count	ND	95	111	70	59	44	76	60	
60N, 420E	12"-16"	Index		0.82	0.95	0.31	0.30	0.46	0.81	0.34	red orange sandy tails
		Count	ND	132	153	50	49	75	131	55	
60N, 300E	0-1.5"	Index	0.09	1.13	1.18	0.48	0.46	0.39	0.71	0.46	roots, mostly soil <15% tails
		Count	19	200	209	86	82	70	125	81	
175N, 300E	0-1.5"	Index		1.07	1.33	0.66	0.55	0.48	0.83	0.67	soil and tailings, roots
		Count	ND	165	204	102	85	74	127	103	
300N, 300E	0-1.5"	Index		1.13	1.41	0.60	0.53	0.37	0.64	0.57	wet, roots, 15% organic, soil mixed with tailings
		Count	ND	226	282	120	106	75	129	114	
oxbow 300N, 180E	~~oxbow~~ BG 0-1.5"	Index		0.56	0.63	0.30	0.31	0.39	0.66	0.32	wet, roots, mixed soils and tailings
		Count	ND	114	128	61	64	78	134	65	
300N, 75E	0-1.5"	Index		0.77	0.93	0.50	0.43	0.49	0.56	0.45	bare tails at surface
		Count	ND	119	144	77	67	76	133	70	
300N, 65W	0-1.5"	Index		0.78	0.90	0.41	0.36	0.50	0.89	0.44	bare tails at surface
		Count	ND	122	141	65	67	78	138	69	
oxbow 300N, 175W	0-1.5"	Index	0.08 21	0.55	0.63	~~0.3~~ BG 0.32	0.31	0.38	0.64	0.32	mostly tailings, some soil, wet.
		Count	~~ND~~ BG	112	128	65	64	77	130	66	
L-Fe S L-Zn 300N, 175W	12"-16"	Index		0.42	0.47	0.25	0.21	0.32	0.61	0.24	wet orangish buff sandy tailings
		Count	ND	87	97	52	44	66	124	50	

Fe 0.47 - 2.11 = 1.3 1.3
.47
1.64

ND = No Data

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-10, Samplers D. Dollhopf, B. Grant, Date/Time 6-25-91 / 4:01

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
S 175N-175W	0-1.5	Index	ND	0.79	0.96	0.48	0.37	0.45	0.81	0.45	bare tailings. Fine texture. blue mottling, beige color
		Count		167	201	101	78	96	170	95	
S 420N-75W E	0-1.5	Index	ND	1.64	2.11	1.04	0.78	0.74	1.18	0.96	bare tailings
		Count		228	294	145	109	103	165	134	
420N-180E	0-1.5	Index	ND	1.23	1.55	0.60	0.55	0.55	0.96	0.59	site vegetated soil mixed w/ tails, coarse alluvium
		Count		197	249	97	89	89	154	95	
420N-300E	0-1.5	Index	ND	0.96	1.15	0.65	0.63	0.46	0.74	0.55	Soil mixed with tails in willow stand
		Count		171	205	116	113	82	132	99	
		Index									
		Count									
/		Index	Readings	at 100	seconds	For la	boratory	samples	taken	for analysis	
		Count									
175S, 175E	0-2"	Index	ND	1.0	1.17	0.47	0.45	0.40	0.71	0.47	Sample no. CFR-SO-10-01
		Count		551	643	260	247	222	392	261	
175S, 120E	0.5-1.5"	Index	ND	1.01	1.21	0.44	0.39	0.43	0.78	0.48	Sample no. CFR-SO-10-02
		Count		521	619	229	204	224	400	248	
175S, 175E	2-4"	Index	0.08	1.17	1.44	0.49	0.42	0.39	0.71	0.52	Sample no. CFR-SO-10-04
		Count	57	565	696	233	207	192	344	255	
175S, 60E	1-4"	Index	ND	1.27	1.52	0.43	0.37	0.42	0.72	0.52	Sample No. CFR-SO-10-05
		Count		680	811	234	198	224	387	279	
ON, 60E	0-1.5"	Index	ND	0.49	0.65	0.32	0.30	0.37	0.69	0.33	Sample no. CFR-SO-10-06
		Count		289	384	190	190	219	401	196	
60S, 60E	0-1.5"	Index	ND	0.42	0.55	0.35	0.33	0.36	0.66	0.31	Sample no. CFR-SO-10-07
		Count		243	320	204	193	207	382	180	
60S, 60E	0-1.5"	Index	ND	0.53	0.72	0.51	0.48	0.37	0.68	0.44	Sample no. CFR-SO-10-09
		Count		284	385	275	256	200	362	236	
60S, 175E	0-1.5"	Index	ND	1.17	1.67	0.62	0.59	0.49	0.83	0.67	CFR-SO-10-10
		Count		552	789	296	280	231	395	319	Roots

ND = No Data

ND = No Data

Note 10-09 chem type blank

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[illegible] Comments should include [illegible] reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-10, Samplers D. Dollhopf, J. Gerrich, Date/Time June 24, 1987 18:47

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
175N, 60E	0-1.5"	Index		0.51	0.68	0.34	0.33	0.47	0.84	0.34	CFR-SO-10-11 [2]
		Count		239	320	158	154	222	393	159	
175N, 60W	0-1.5"	Index		0.53	0.72	0.28	0.26	0.40	0.70	0.31	CFR-SO-10-12 [2]
		Count		311	421	167	151	231	409	180	
420N, 75E	0-1.5"	Index		1.28	1.73	0.95	0.82	0.66	1.08	0.83	CFR-SO-10-13
		Count		592	797	441	318	306	498	386	
300N, 175W	12-16"	Index		0.58	~~0.78~~ BG 6-24-87 0.70	0.32	0.29	0.37	0.67	0.31	CFR-SO-10-14
		Count		358	432	199	179	228	409	194	
175N, 175W	0-1.5"	Index		0.74	0.92	0.46	0.38	0.51	0.89	0.46	CFR-SO-10-15
		Count		376	462	232	195	258	448	231	
60N, 420E	0-1.5"	Index		0.84	0.96	0.61	0.54	0.47	0.85	0.51	CFR-SO-10-16 [2]
		Count		372	425	271	243	212	377	228	
120S, 175E	0-1.5"	Index		1.28	1.45	0.55	0.49	0.47	0.82	0.57	CFR-SO-10-17 [2]
		Count		619	702	266	240	230	397	277	
120S, 0E	9-11"	Index		1.40	1.58	0.50	0.44	0.71	1.11	0.55	CFR-SO-10-18
		Count		642	721	232	204	326	507	251	
120S, 60W	0-1.5"	Index		0.84	0.90	0.40	0.32	0.44	0.78	0.42	CFR-SO-10-19 [2]
		Count		407	436	194	159	214	382	207	
0N, 175W	0-1.5"	Index		0.94	1.03	0.57	0.46	0.52	0.90	0.52	CFR-SO-10-20
		Count		394	430	241	192	220	376	218	
60N, 175W	0-1.5"	Index		0.81	0.85	0.43	0.34	0.45	0.78	0.44	CFR-SO-10-21 [2]
		Count		391	400	209	167	218	376	212	
120N, 175W	0-1.5"	Index		0.77	0.77	0.97	0.74	0.43	0.77	0.77	CFR-SO-10-22
		Count		368	370	464	354	208	372	369	
		Index									BG 6-23-87
		Count		Site 12, Initial XRF Scanning, 30 second co							
		Index									
		Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form CFR

Site I.D. SO-12, Samplers D. Dollhopf, Date/Time 6-24-87 / 13:05

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
		Index Count	Initial XRF scanning of STATIONS, 30 second counts								
800N-100W	0-1.5"			1.10	1.14	0.51	0.45	0.49	0.87	0.48	bare tailings / estimated tails thickness = 2 feet
		Index Count	ND	152	157	71	62	68	120	66	
800N-100W	16-24"			0.99	1.08	0.36	0.30	0.43	0.82	0.37	sandy, red staining
		Index Count	ND	115	126	42	45	50	96	43	
800N-0E	0-1.5"			1.09	1.14	1.06	0.82	0.50	0.88	0.92	lt. grey surface salts bare tailings
		Index Count	ND	129	135	128	97	59	104	109	
800N-100E	0-1.5"			1.00	0.96	1.48	1.17	0.44	0.81	1.08	tailings depth greater than 2 feet.
		Index Count	ND	117	112	172	136	52	95	126	Bare tailings
800N-100E	15"-20"			1.34	1.33	0.88	0.66	0.51	0.89	0.78	sandy metalliferous reel, orange
		Index Count	ND	179	177	118	89	69	119	105	
800N-100E	20-22"			1.21	1.28	1.10	0.89	0.69	1.11	0.91	dark grey clay with visible fine sulphide 3
		Index Count	ND	95	100	86	70	54	87	71	
700N-200E	0-1.5"			1.45	1.52	1.05	0.92	0.48	0.83	0.84	bare tailings tailings depth est. @ 2 Feet (bucket Auger)
		Index Count	ND	172	180	124	109	57	99	100	
700N-300E paired	0-1.5"			1.13	1.12	0.61	0.56	0.50	0.90	0.58	abundant roots w/ soil material, ugly 4 cover.
		Index Count	ND	133	132	72	66	59	106	69	
									possible 4-32 inches; tailings lense 2-4 inches.		
		Index Count									
600RG 6-24-87 700N-100E	0-1.5"		0.14	0.89	0.86	0.83	0.63	0.47	0.81	0.70	lt. grey surface white salts. bare tailings.
		Index Count	24	105	101	98	74	55	95	83	
700N-0E	0-1.5"			1.06	1.07	0.61	0.48	0.51	0.91	0.56	bare tailings, some crystalline salts on surface, intermittently
		Index Count	ND	120	121	70	55	58	103	64	
600N-200E	0-1.5"			0.92	0.97	0.46	0.41	0.46	0.81	0.44	bare tailings, fine sandy
		Index Count	ND	117	123	59	52	59	103	56	
500N-200E	0-1.5"			1.06	1.14	0.41	0.32	0.47	0.85	0.38	ore fragments, red staining, soil mixed with tailings 2
		Index Count	ND	113	121	44	34	50	91	41	

ND = No Data

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[illegible] Comments should include information on visible variations of soil color, texture, and composition; presence of vegetation, rocks, or debris; and any other information that may be helpful in interpreting the XRF data.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-12, Samplers J. Gerrick, D. Dellhopf, Date/Time ~~11~~ 1 14:35

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			Spectral Peak Area								
400N-200E	0-1.5"	Index		1.37	1.47	0.73	0.63	0.63	1.09	0.66	Bare tailings. 1
		Count	ND	143	53	76	66	66	114	69	tailings to 8", grade at 15 inches
300N-200E	0-1.5"	Index		1.14	1.21	1.09	0.90	0.53	0.93	0.90	Bare tailings. 1
		Count	ND	147	155	140	116	69	120	116	Some crystalline salts on surface
200N-200E	0-1.5"	Index		1.06	1.09	0.63	0.48	0.47	0.80	0.60	tailings mixed with soil 1
		Count	ND	142	145	84	64	63	107	80	2
100N-200E	0-1.5"	Index		1.12	1.13	0.58	0.47	0.50	0.91	0.59	tailings mixed with soil
		Count	ND	133	134	69	56	59	108	70	2
0N-200E	0-1.5"	Index		1.05	1.14	1.16	0.82	0.44	0.77	0.96	1 Foot touch or pile of mixed iron material.
		Count	ND	132	143	145	103	56	97	121	Bare tailings. 1 grey crystalline salts
0N-100E	0-1.5"	Index		1.12	1.12	1.45	0.98	0.48	0.86	1.25	Bare tailing, 1
		Count	ND	122	121	157	106	52	93	136	white crystalline salts at surface
0N-100E	2-3"	Index	0.11	1.54	2.04	15.86	8.54	0.59	0.98	13.19	Purple horizon color 3
		Count	21	111	147	1142	615	43	71	950	
100N-100E	0-1.5"	Index		1.35	1.30	0.63	0.50	0.54	0.92	0.56	Soil mixed with 2
		Count	ND	153	148	72	57	62	104	64	tails, plants present
200N-100E	0-1.5"	Index		0.91	0.88	0.59	0.46	0.47	0.82	0.52	Soils mixed with 2
		Count	ND	107	104	70	54	56	97	61	tailings. Same down to 4.5 feet.
300N-100E	0-1.5"	Index		0.75	0.68	0.46	0.40	0.41	0.70	0.42	Bare tailings with 1
		Count	ND	104	94	64	55	57	97	58	white crystalline salts
300N-100E	surface	Index		0.94	0.89	5.63	4.75	0.62	1.05	3.23	Scraped sample 2
		Count	ND	65	62	389	323	43	73	223	OF white crystalline surface material
400N-100E	0-1.5"	Index		1.07	1.06	0.90	0.70	0.52	0.87	0.76	Bare tailings. Some 1
		Count	ND	124	122	104	81	60	101	88	white crystalline surface.
500N-100E	0-1.5"	Index		1.04	0.96	0.52	0.45	0.46	0.83	0.57	Bare tailings. 1
		Count	ND	124	115	62	54	55	99	68	
600N-0E	0-1.5"	Index		1.87	1.78	~~0.86~~ 0.80 6-24-87	0.63	0.68	1.16	0.76	Bare tailings 1
		Count	ND	199	189		67	73	124	81	tailings 0-8in

ND = No Data

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — DCO B. Grant —

Site I.D. CFR-SO-12, Samplers J. Gerrick, D. Dollhopf, Date/Time June 24 1987 / 15:20

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				---------- Spectral Peak Area ----------							
500N, 0E	0-1.5"	Index		0.84	0.81	~~0.53~~ 86 0.59 76	0.42	0.44	0,77	0.53	Bare tailings 1
		Count	ND	108	104	64 86	55	57	99	64	
400N, 0E	0-1.5"	Index		1.26	1.25	0.60	0.53	~~0.58~~ 86 0.50	0.86	0.53	tailings 5 in. and below grass present. Soil 1
		Count	ND	146	144	70	61	58	99	61	0-5 in.
400N, 0E	5-8"	Index		0.66	0.67	0.28	0.24	0.36	0.67	0.28	buff-orange colored fine sandy tailings 1 some sulfides
		Count	ND	92	93	39	34	51	93	40	
400N, 0E	5-8"	Index		0.81	0.78	0.31	0.31	0.41	0.72	0.33	same as previous, more compacted by 1
		Count	ND	108	104	42	42	55	97	44	hand into sampling frame
300N, 0E	0-1.5"	Index		2.14	2.14	1.66	1.10	0.79	1.32	1.43	soil mixed with tailings, sparse 2 grass growth
		Count	ND	230	229	178	118	85	142	154	
200N, 0E	0-1.5"	Index		0.97	0.97	0.59	0.45	0.45	0.81	0.56	wood fragments, soil 2 mixed with tailings
		Count	ND	119	119	72	55	56	99	69	sparse grass growth
100N, 0E	0-1.5"	Index		0.96	0.94	0.50	0.42	0.44	0.79	0.51	Bare tailings, some white x'elline salts 1 @surface
		Count	ND	125	122	65	55	58	102	67	
0N, 0E	0-1.5"	Index		1.38	1.39	0.86	0.64	0.57	0.98	0.78	Bare tailings. some x'elline salt on 1
		Count	ND	151	152	94	70	63	107	86	surface
0N, 100W	0-1.5"	Index		1.36	1,36	0.43	0.39	0.63	1.10	0.49	Bare tailings. Tailing 1
		Count	ND	153	153	49	44	71	124	55	0-15 in. to a pure sand
0N, 150W	0-1.5"	Index		1.15	1.12	0.47	0.40	0.53	0.91	0.46	Bare tailings, dry 1
		Count	ND	139	135	57	48	64	110	56	
100N, 190W	0-1.5"	Index		1.19	1.24	0.77	0.61	0.52	0.93	0.73	tailings mixed with soil, bare, 2
		Count	ND	111	116	72	57	49	87	68	no plants
100N, 100W	0-1.5"	Index		1.17	1.23	0,85	0.61	0.53	0.90	0.76	Bare tailings. 1
		Count	ND	133	139	97	70	60	102	87	
200N, 100W	0-1.5"	Index		1.20	1.18	1.00	~~0.83~~ 86 0.70 93	0.47 63	0.79 105	0.84 112	Bare tailings with abundant white x'elline sulphides at surface
		Count	ND	159	156	132					
200N, 170W	0-1.5"	Index		0.99	1.01	0.39	0.38	0.50	0.89	0,43	Bare tailings. 1
		Count	ND	128	131	51	50	65	116	56	

ND = No Data

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include reference.

XRF Field Data Form

Site I.D. CFR-SO-12, Samplers M. Babit, D. Dollhopf, Date/Time June 24 1987 / 16:58

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
300N, 185W	0-1.5"	Index	ND	1.44	1.46	0.59	0.51	0.53	0.92	0.58	Soil mixed w/tailings plant growth prev.
		Count		176	179	72	63	65	113	71	
500N, 100W	0-1.5"	Index	ND	1.05	1.07	0.47	0.42	0.51	0.91	0.43	1 Bare tailings w/ some x'tlline salts at surface
		Count		127	132	58	52	63	113	54	
400N, 100W	0-1.5"	Index	ND	0.90	0.96	0.49	0.45	0.51	0.91	0.46	1 Bare tailings w/ x'tlline salts at surface
		Count		101	107	55	51	57	102	52	
400N, 200W	0-1.5"	Index	ND	1.46	1.46	1.73	1.19	0.65	1.13	1.39	2 Soil mixed with tailings, abundant plant growth
		Count		160	169	200	137	75	131	160	
500N, 100W	0-1.5"	Index	ND	0.89	0.92	0.90	0.59	0.45	0.79	0.83	1 Bare tailings
		Count		114	119	116	76	58	102	107	
600N, 100W	0-1.5"	Index	ND	1.38	1.45	0.71	0.57	0.61	1.03	0.70	1 Bare tailings
		Count		169	177	87	70	75	126	86	
700N, 200W	0-1.5"	Index	ND	0.84	0.87	0.66	0.46	0.40	0.73	0.63	1 BARE TAILINGS
		Count		113	116	88	62	54	98	84	
600N, 200W	0-1.5"	Index	ND	1.30	1.32	0.78	0.61	0.49	0.84	0.68	1 BARE TAILINGS WITH SOME ROCK FRAGMENTS
		Count		153	155	92	72	58	99	80	
500N, 200W	0-1.5"	Index	ND	1.23	1.34	0.61	0.52	0.47	0.85	0.59	2 SOIL SOME TAILINGS ABUNDANT PLANT COVER
		Count		149	163	75	63	57	104	72	
100 Sec. Corn 800N, 100W	16"-20"	Index	ND	0.57	0.74	0.24	0.25	0.35	0.65	0.33	June 25, 1987 CFR-SO-12-01
		Count		248	320	103	107	154	282	142	
800N, 100E	0"-1.5"	Index	ND	0.89	1.24	0.93	1.00	0.53	0.91	0.69	1 June 25, 1987 CFR-SO-12-02
		Count		371	517	386	416	224	378	289	
700N, 100E	0"-1.5"	Index	ND	0.61	0.78	0.52	0.48	0.44	0.79	0.44	June 25, 1987
		Count		287	370	244	229	209	371	209	1 CFR-SO-12-03
700N, 200E	0"-1.5"	Index	ND	1.04	1.34	0.81	0.82	0.44	0.78	0.65	June 25, 1987 1
		Count		464	600	362	366	198	351	290	CFR-SO-12-04
700N, 300E	0"-1.5"	Index	ND	0.83	0.98	0.44	0.41	0.46	0.82	0.42	June 25 1987 4
		Count		371	434	195	183	205	363	187	CFR-SO-12-05

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-12, Samplers D. Dollhopf, Date/Time June 25 1991 / 9:30

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
700N-300E	0"-1.5"	Index		0.25	0.24	0.21	0.20	0.38	0.72	0.19	Kimwipe Blank
		Count		98	94	81	78	148	278	76	CFR-SO-12-06 4
600N-0E	0"-1.5"	Index		1.26	1.35	0.53	0.43	0.59	1.03	0.56	1
		Count		524	563	224	182	246	429	233	CFR-SO-12-07
600N-0E	0"-1.5"	Index		1.33	1.33	0.54	0.46	0.62	1.08	0.58	Replicate 1
		Count		501	500	206	174	234	408	219	CFR-SO-12-08
600N-100W	0"-1.5"	Index		1.22	1.21	0.62	0.49	0.53	0.94	0.61	1
		Count		514	511	263	209	223	395	259	CFR-SO-12-09
400N-200W	0"-1.5"	Index		1.33	1.33	1.18	0.86	0.59	0.99	1.03	2
		Count		540	538	477	349	24	401	418	CFR-SO-12-10
400N-0E	5"-8"	Index		0.87	0.88	0.33	0.32	0.46	0.84	0.35	2
		Count		343	348	131	130	183	334	140	CFR-SO-12-11
400N-100E	0"-1.5"	Index		1.03	1.02	0.74	0.59	0.49	0.86	0.68	1
		Count		433	429	313	251	209	361	289	CFR-SO-12-12
500N-200E	0"-1.5"	Index		1.31	1.25	0.51	0.41	0.47	0.85	0.52	CFR-SO-12-13
		Count		539	514	209	171	195	351	216	2
300N, 200E	0"-1.5"	Index		1.02	0.94	0.86	0.67	0.54	0.94	0.73	CFR-SO-12-14
		Count		345	319	291	227	184	320	249	1
400N, 200E	0"-1.5"	Index		1.67	1.57	0.72	0.64	0.68	1.14	0.70	CFR-SO-12-15
		Count		573	540	247	220	233	393	240	1
300N, 100E	0"-1.5"	Index		0.92	0.86	0.58	0.51	0.46	0.84	0.52	CFR-SO-12-16
		Count		339	317	213	187	171	309	191	1
300N, 0E	0"-1.5"	Index		2.00	1.89	1.26	0.91	0.72	1.21	1.15	CFR-SO-12-17
		Count		752	710	473	343	273	455	433	2
200N, 170W	0"-1.5"	Index		1.15	1.12	0.55	0.47	0.53	0.97	0.53	CFR-SO-12-18
		Count		452	440	219	185	208	381	209	1
200N, 200E	0"-1.5"	Index		1.24	1.17	0.62	0.48	0.54	0.99	0.63	CFR-SO-12-19
		Count		432	409	216	170	188	344	221	2

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-12, Samplers Doug Dollhopf, J. Franklin, Date/Time June 25 1987 / 11:50

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			Spectral Peak Area								
100N-0E	0-1.5"	Index		1.19	1.05	0.59	0.47	0.51	0.93	0.61	
		Count		430	382	214	173	186	338	222	CFR-SO-12-20 1
0N-100E	2-3"	Index		2.03	2.55	21.36	8.21	0.58	1.00	19.76	
		Count		511	641	5363	2063	147	253	4962	CFR-SO-12-21 1
100N-100E	0-1.5"	Index		1.63	1.47	0.91	0.64	0.48	0.90	0.91	
		Count		578	521	322	227	172	320	324	CFR-SO-12-22 2
		Index									
		Count									
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[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

10:40 entered site

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — Page 1 of 5

Site I.D. CFR-SO-14, Samplers B. Grant DCO, J. Franklin, D. Dollhopf, Date/Time July 07 1987 / 10:50

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				---------- Spectral Peak Area ----------							
2005-300E	0"-2"	Index		0.76	1.11	0.23	0.18	0.31	0.58	0.43	30 second count 0"-40" dk. brown loam soil, no rock frags
		Count		110	161	34	27	46	84	63	
STATION MISLOCATED 0 ~~2005-200E~~ BG 7-07-87	0"-2"	Index		0.81	1.10	0.23	0.19	0.30	0.63	0.43	loam soil
		Count		115	156	33	28	43	90	62	
2005-100E	0"-2"	Index		0.74	1.08	0.25	0.19	0.37	0.65	0.45	loam soil
		Count		94	138	32	25	47	83	58	
2005-0W	0"-2"	Index		0.76	1.08	0.25	0.19	0.35	0.69	0.41	loam soil
		Count		99	141	33	25	46	90	54	
2005-100W	2"-6"	Index		0.72	1.00	0.23	0.17	0.31	0.61	0.39	loam
		Count		95	131	31	23	41	80	52	
2005-200W	0"-2"	Index		0.80	1.17	0.22	0.20	0.34	0.62	0.41	16 fan dirt, covered a 10' x 10' area
		Count		109	158	31	27	47	85	56	
2005-200N	2"-4"	Index		0.79	1.09	0.26	0.19	0.39	0.74	0.44	brown compacted loam
		Count		93	128	31	23	46	87	52	
2005-300N	0"-2"	Index		0.78	1.06	0.21	0.21	0.34	0.65	0.43	loam soil
		Count		103	141	28	28	45	87	57	
1005-300N	0"-2"	Index		0.75	0.94	0.26	0.23	0.37	0.67	0.40	loam soil
		Count		100	125	35	31	49	89	53	
1005-200W	0"-2"	Index		0.86	1.13	0.25	0.25	0.38	0.70	0.42	loam soil
		Count		117	153	35	34	52	95	57	
1005-200N	2"-8"	Index		0.82	1.07	0.22	0.20	0.32	0.63	0.40	brown loam
		Count		113	147	31	28	45	87	55	
1005-200N	8"-16"	Index		1.06	1.40	0.26	0.19	0.32	0.59	0.46	brown loam
		Count		160	211	39	29	48	88	69	
1005-200N	16"-24"	Index		0.90	1.14	0.22	0.17	0.29	0.53	0.42	brown loam 0-32" no rock frags
		Count		139	176	34	27	45	82	66	
Station mislocated ~~3005-200E~~ BG 7-07-87	0"-2"	Index		~~0.85~~	~~1.10~~	0.23	0.19	~~0.36~~	~~0.67~~	0.37	loam soil
		Count		113	146	31	26	48	89	49	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

XRF Field Data Form

Site I.D. CFR-SO-14, Samplers D. Dollhopf, J. Franklin, B. Grant DCO, Date/Time 7-07-87 ~~June~~ July 07 1987 / 12:40

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
400S-100E	0-2"	Index		0.93	1.14	0.24	0.20	0.34	0.61	0.40	loam soil
		Count		126	155	33	27	47	83	54	
500S-100E	0-2"	Index		0.93	1.09	0.23	0.20	0.36	0.64	0.40	loam soil
		Count		122	144	31	27	48	85	53	
600S-100E	0-2"	Index		0.79	0.89	0.23	0.23	0.34	0.63	0.33	loam soil
		Count		107	120	31	31	46	85	45	
300S-100E	0-2"	Index		0.96	1.13	0.24	0.20	0.36	0.69	0.37	loam soil
		Count		126	147	32	27	47	89	49	
200S-200E	0-2"	Index		1.02	1.11	0.23	0.23	0.34	0.64	0.37	loam soil
		Count		138	150	32	32	47	87	51	
300S-200E	0-2"	Index		1.01	1.06	0.25	0.21	0.37	0.73	0.39	loam soil
		Count		125	131	31	27	46	90	49	
400S-200E	0-2"	Index		1.00	1.07	0.24	0.22	0.38	0.75	0.37	loam soil
		Count		119	127	29	27	45	89	44	
500S-200E	0-2"	Index		0.93	0.97	0.22	0.22	0.35	0.63	0.37	Loam Soil
		Count		114	119	28	27	43	78	46	
600S-200E	0-2"	Index		1.12	1.09	0.26	0.24	0.38	0.71	0.36	loam soil
		Count		125	121	29	27	43	79	41	
600S-0W	0-2"	Index		1.22	1.24	0.26	0.24	0.36	0.69	0.38	loam soil
		Count		156	158	34	31	46	88	49	
500S-0W	0-2"	Index		1.26	1.17	0.25	0.23	0.40	0.73	0.36	loam soil
		Count		150	140	30	28	48	88	43	
500S-0W	2"-10"	Index		1.09	1.07	0.26	0.24	0.36	0.70	0.33	brown loam
		Count		126	124	30	28	42	81	38	
500S-0W	10"-18"	Index		1.25	1.26	0.28	0.24	0.40	0.74	0.43	brown loam
		Count		129	130	29	25	42	77	45	
500S-0W	18"-25"	Index		1.18	1.09	0.25	0.22	0.35	0.68	0.36	brown loam
		Count		145	134	31	28	43	84	44	

25-32

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — Page 3 of 5

Site I.D. CFR-SO-14, Samplers B. Grant DCO, D. Dollhopf, J. Franklin, Date/Time July 07 1987 / 13:25

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
500S - 0W	25"-32"	Index		1.00	0.95	0.26	0.25	0.38	0.73	0.31	Loam w/ rock fragments present
		Count		117	111	31	29	45	85	37	
400S - 0W	0"-2"	Index		1.23	1.23	0.26	0.23	0.34	0.68	0.37	10cm
		Count		159	159	34	30	44	88	49	
300S - 0W &	2"-6"	Index		1.27	1.25	0.26	0.24	0.38	0.70	0.38	10cm
		Count		142	139	29	27	43	78	43	
300S - 300W	0"-2"	Index		1.08	1.07	0.27	0.25	0.39	0.72	0.37	10cm
		Count		123	121	31	29	45	82	42	
400S - 300W	0"-2"	Index		1.26	1.30	0.27	0.25	0.39	0.72	0.41	10cm
		Count		151	155	33	30	47	86	49	
500S - 300W	0"-2"	Index		1.25	1.30	0.27	0.24	0.41	0.73	0.42	10cm
		Count		141	146	31	27	46	82	48	
500S - 400W	0"-2"	Index		1.15	1.18	0.27	0.24	0.45	0.81	0.37	10cm
		Count		128	131	30	27	50	90	42	
400S - 400W	2"-6"	Index		1.14	1.18	0.28	0.25	0.38	0.73	0.40	loam with rock fragments
		Count		133	138	33	29	45	85	47	
500S - 200W	0"-2"	Index		1.23	1.21	0.24	0.24	0.36	0.66	0.37	loam
		Count		151	148	30	30	45	81	46	
400S - 200W	0"-2"	Index		1.18	~~0.36~~ BG 7-07-87 1.22 144	0.24	0.25	0.35	0.64	0.36	loam
		Count		140		29	30	42	76	43	
300S - 200W	2"-4"	Index		1.15	1.17	0.25	0.22	0.37	0.70 ~~84~~ ~~48~~ BG 7-07-87	0.37	loam
		Count		139	141	30	27	45		45	
300S - 100W	0"-2"	Index		1.16	1.09	0.25	0.25	0.39	~~0.84~~ 0.74 BG 7-07-87	0.37	loam
		Count		126	118	28	28	43	80	41	
400S - 100W	0"-2"	Index		1.24	1.18	0.26	0.26	0.34	0.70	0.34	loam
		Count		144	137	31	31	40	82	40	
500S - 100W	6"-10"	Index		1.29	1.20	0.25	0.24	0.35	0.68	0.37	loam, Rock frags present
		Count		161	150	31	30	41	85	47	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location. Comments should include any station reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant DCO — July 07 —

Site I.D. CFR-SO-14, Samplers D. Dollhopf, T. Franklin, Date/Time 1987 / 14:15

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				---------- Spectral Peak Area ----------							
6'00S-100W	0"-2"	Index		1.28	1.24	0.29	0.27	0.44	0.78	0.39	loam w/ rock frags
		Count		134	129	31	29	46	82	41	
———	———	Index	XRF readings during sampling, 100 second counts								BG ~~8-40475~~ 7-07-87
		Count									
200S-200E	0"-2"	Index		1.42	1.20	0.37	0.31	0.40	0.75	0.47	
		Count		382	322	100	84	109	203	126	8-40475
200S-100E	0"-2"	Index		1.25	1.22	0.27	0.25	0.37	0.68	0.38	
		Count		503	491	108	103	151	272	153	8-40476
200S, 100W	0"-2"	Index		1.17	1.12	0.25	0.25	0.38	0.74	0.37	
		Count		469	450	102	100	155	298	150	8-40477
200S, 300W	0"-2"	Index		1.32	1.28	0.28	0.28	0.43	0.76	0.38	8-40479
		Count		463	450	99	99	151	268	135	
200S, 300W	0"-2"	Index		1.38	1.27	0.28	0.28	0.41	0.76	0.39	8-40480
		Count		486	447	100	101	146	269	137	
300S, 200W	0"-2"	Index		1.20	1.16	0.26	0.25	0.38	0.71	0.36	8-40481
		Count		485	469	105	102	154	288	146	
300S, 0W	0"-2"	Index		1.32	1.20	0.30	0.28	0.41	0.76	0.39	8-40482
		Count		475	432	108	101	150	275	143	
300S, 200W E BG 7-07-87	0"-2"	Index		1.40	1.31	0.28	0.26	0.39	0.73	0.40	8-40483
		Count		507	475	103	97	143	265	147	
400S, 200E	0"-2"	Index		1.18	1.16	0.29	0.28	0.41	0.76	0.37	8-40484
		Count		417	410	105	100	145	267	131	
400S, 100E	0"-2"	Index		1.21	1.17	0.27	0.28	0.41	0.75	0.38	8-40485
		Count		437	423	100	101	151	270	139	
400S, 100W	0"-2"	Index		1.15	1.09	0.25	0.24	0.39	0.71	0.37	8-40486
		Count		443	421	98	92	151	274	143	
400S, 300W	0"-2"	Index		1.25	1.22	0.26	0.24	0.35	0.66	0.37	8-40487
		Count		526	512	110	101	149	280	156	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant DCO — July 07 —

Site I.D. CFR-SO-14, Samplers D. Dollhopf, J. Franklin, Date/Time 1987 / 17:10

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
500S-400W	0-2"	Index		1.15	1.14	0.25	0.24	0.37	0.68	0.38	B-40488
		Count		464	461	104	97	150	275	155	
Calibrate		Index		0.36	0.45	0.19	0.18	0.30	0.58	0.24	July 08, 1987
		Count		57	71	30	29	47	90	38	30 second count
500S-0W	0"-2"	Index		0.75	1.09	0.22	0.17	0.30	0.57	0.41	B-40491
		Count		387	563	116	92	159	298	211	
500-0W	2"-12"	Index		0.78	1.12	0.22	0.18	0.32	0.61	0.40	B-40492
		Count		376	535	107	86	156	291	193	
500S-0W	12"-22"	Index		0.87	1.21	0.22	0.17	0.30	0.55	0.41	B-40493
		Count		461	638	119	94	160	294	221	
500S-0W	22"-32"	Index		0.84	1.08	0.22	0.19	0.32	0.62	0.38	B-40494
		Count		412	533	108	95	158	307	188	
500S-200W	0"-2"	Index		0.94	1.16	0.22	0.21	0.34	0.66	0.38	B-40495
		Count		422	520	102	95	154	296	174	
600S-100W	0"-2"	Index		0.98	1.20	0.23	0.19	0.34	0.62	0.39	B-40496
		Count		458	561	107	89	159	292	184	
600S-100E	0"-2"	Index		0.84	0.98	0.21	0.19	0.32	0.60	0.33	B-40497
		Count		414	486	106	98	161	296	166	
600S-200E	0"-2"	Index		0.98	1.10	0.24	0.21	0.35	0.67	0.36	B-40498
		Count		409	457	100	90	145	279	151	
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY - Preliminary screening of soils

XRF Field Data Form

Site I.D. CFR-SO-15, Samplers Bob Bennick Meg Babbitt Jeff Franke, Date/Time July 10, 87 / 8:45

Station Location[1]	Depth		Time	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
SS04		Index Count	8:45	0.36 61	0.40 68	0.18 31	0.17 29	0.27 46	0.53 90	0.22 38	25 June 1986 calibration source used on left hand side of XRF screen
0N-30OE	0-2"	Index Count		0.65 125	0.90 172	0.34 65	0.31 60	0.28 54	0.52 99	0.41 78	
"	2-4"	Index Count		0.75 125	0.98 162	0.38 63	0.36 60	0.31 52	0.56 93	0.43 72	
"	4-10"	Index Count		0.82 141	1.06 182	0.38 65	0.35 61	0.30 52	0.54 93	0.44 76	
"	10-15"	Index Count		0.74 121	0.99 167	0.22 37	0.19 33	0.27 47	0.52 89	0.38 65	
"	15-20"	Index Count		0.70 137	0.91 178	0.20 40	0.16 33	0.25 49	0.48 95	0.35 70	
"	20"-25"	Index Count		0.64 126	0.83 162	0.20 39	0.16 32	0.24 48	0.47 93	0.36 70	
"	25-29"	Index Count		0.67 123	0.86 159	0.21 40	0.19 34	0.25 47	0.48 88	0.35 65	
0N-40OE	0-2"	Index Count	9:38	0.64 104	0.88 143	0.30 49	0.32 52	0.33 54	0.59 96	0.40 66	
"	4-10"	Index Count	9:41	0.63 116	0.81 149	0.32 60	0.33 62	0.29 54	0.51 94	0.39 72	
0N-20OE	0-2"	Index Count	9:46	0.78 130	1.05 175	0.49 82	0.57 95	0.31 52	0.57 95	0.49 82	
"	4-10"	Index Count		0.86 129	1.10 166	0.50 75	0.50 76	0.36 54	0.65 98	0.55 83	
0N-10OE	0-2"	Index Count		0.69 107	0.95 146	0.44 68	0.52 80	0.36 56	0.64 98	0.51 79	
"	4-10" MB	Index Count		0.80 98	1.00 122	0.47 57	0.46 56	0.34 52	0.64 78	0.52 64	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-15, Samplers Schmidt, Franklin, Babits, Date/Time 10:00/July 10, 87

Station Location[1]	Depth		Time	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
ON - 0W	0-2"	Index		0.72	1.01	0.46	0.51	0.33	0.56	0.48	
		Count		140	186	85	95	61	104	88	
"	4-10"	Index		0.86	0.25	0.57	0.75	0.36	0.65	0.57	
		Count		134	191	88	115	56	100	88	
ON-100W	0-2"	Index		1.42	1.46	0.74	0.67	0.33	0.58	0.87	
		Count		110	113	59	52	26	45	67	
"	4-10"	Index		0.80	0.90	0.36	0.31	0.35	0.68	0.49	
		Count		80	90	36	31	35	68	49	
ON-200W	0-2"	Index		1.06	1.10	0.48	0.37	0.33	0.64	0.61	
		Count		120	130	57		40	76	72	
"	4-10"	Index	10:39	0.64	0.93	0.33	0.33	0.30	0.56	0.43	
		Count		107	154	56	55	51	93	71	
ON-300W	0-2"	Index	10:43	0.74	0.94	0.46	0.40	0.30	0.57	0.55	
		Count		95	120	59	52	39	73	70	
"	4-10"	Index	10:45	0.75	1.05	0.50	0.50	0.40	0.68	0.59	
		Count		117	142	77	78	63	106	91	
"	10-15"	Index	10:48	0.74	1.10	0.57	0.59	0.39	0.70	0.64	
		Count		117	174	90	93	62	110	101	
ON-400W	0-2"	Index	11:07	0.66	0.91	0.37	0.35	0.30	0.58	0.44	
		Count		113	156	64	60	52	99	76	
"	4-10"	Index	11:09	0.69	0.97	0.34	0.32	0.36	0.62	0.47	
		Count		95	133	47	44	49	85	64	
ON-500W	0-2"	Index	11:11	0.69	0.94	0.35	0.35	0.30	0.54	0.47	
		Count		122	146	62	62	53	96	84	
"	4-10"	Index	11:17	0.68	0.95	0.33	0.30	0.33	0.59	0.43	
		Count		110	152	53	49	53	95	69	
ON-600W	0-2"	Index	11:21	0.66	0.92	0.32	0.33	0.28	0.52	0.43	
		Count		120	167	58	60	52	95	78	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
Comments should include notation reference.

XRF Field Data Form

Site I.D. CFR-30-15, Samplers Bennik, Franklin, Babitz, Date/Time July, 10, 87 / 11:23

Station Location[1]	Depth		Time S	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
0N-600W	4-10"	Index Count	11:24	0.68 112	0.93 153	0.26 44	0.24 40	0.30 50	0.55 91	0.40 66	
100S-400W	0-2"	Index Count	11:45	0.74 102	1.00 137	0.56 77	0.56 77	0.37 52	0.66 91	0.56 77	
"	4-10"	Index Count	11:48	0.77 89	BR 7.057 ~~X~~1.05 121	0.53 62	0.51 59	0.42 49	0.73 85	0.60 69	
100S-500W	0-2"	Index Count	11:50	1.10 130	1.16 137	0.54 64	0.51 61	0.38 45	0.64 76	0.55 65	
"	4-10"	Index Count	11:53	0.76 92	1.00 122	0.35 43	0.28 35	0.35 43	0.68 83	0.48 59	
100S-600W	0-2"	Index Count	11:57	0.93 107	1.11 127	0.53 61	0.52 60	0.35 40	0.69 79	0.61 70	
(SR) July 10, 87 100S-~~7~~600W	4-10"	Index Count	11:59	0.75 91	0.98 119	0.44 54	0.37 45	0.39 48	0.66 80	0.52 64	
100S-700W	0-2"	Index Count	12:03	0.80 126	1.10 173	0.35 56	0.32 51	0.35 55	0.63 99	0.51 80	
"	4-10"	Index Count	12:09	0.71 115	0.96 155	0.23 38	0.22 36	0.30 48	0.55 88	0.42 68	
100N-0W	0-2"	Index Count	12:15	0.61 111	0.85 153	0.33 60	0.30 54	0.28 51	0.53 97	0.44 80	
"	4-10"	Index Count	12:25	0.67 101	0.88 132	~~0.44~~ 0.37 JF 56 ~~67~~ JF	~~0.37~~ 0.34 JF 51 ~~56~~ JF	0.34 51	0.62 93	0.44 67	
100N-100E	0-2"	Index Count	12:36	0.76 107	0.90 MB ~~60~~ 126	0.38 53	0.32 45	0.30 42	0.53 74	0.73 60	
"	4-10"	Index Count	12:40	0.90 100	1.07 119	0.44 49	0.44 49	0.36 41	0.65 73	0.54 60	
100N-300E	0-2"	Index Count	12:48	0.64 107	0.85 141	0.24 41	0.24 40	0.30 50	0.54 90	0.40 66	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

site not identified: obvious / CFR-50-15 DJD 17-13-87

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. _____, Samplers BARTS, PONNICKI, FRANKLIN, Date/Time July 10, 1987 / 12:52

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
100N-100W	0-2"	Index	12:53	0.66	0.86	0.35	0.31	0.30	0.53	0.44	
		Count		105	136	56	49	48	84	70	
100N-300E	4-10"	Index	12:55	0.64	0.87	0.27	0.26	0.32	0.60	0.41	
		Count		100	136	43	41	51	94	65	
100N-200E	0-2"	Index	12:57	0.62	0.83	0.26	0.26	0.28	0.49	0.37	
		Count		121	162	51	51	55	96	73	
100N-200E	4-10"	Index	1:00	0.66	0.86	0.27	0.25	0.30	0.55	0.38	
		Count		115	148	47	43	53	96	67	
100N-200W	4-10"	Index	1:06	0.72	0.94	0.27	0.25	0.30	0.55	0.41	
		Count		115	149	44	40	48	88	65	
100N-100W	4-10"	Index	1:09	0.75	MB 1.07	0.34	0.29	0.33	0.62	0.48	
		Count		117	168	54	46	53	97	76	
100N-200W	0-2"	Index	1:12	0.73	1.00	0.35	0.34	0.30	0.56	0.47	
		Count		135	185	66	63	57	104	88	
100N-300W	0-2"	Index	1:15	0.65	0.91	0.29	0.24	0.29	0.53	0.39	
		Count		117	164	53	47	52	96	71	
~~200S-400W~~ 200S-500W MB	4-10"	Index	1:17	0.80	1.04	~~MB 5 3~~ 0.48	0.48	0.36	0.66	0.53	* MCS written really 200S-500W
		Count		116	152	~~MB 77~~ 71	70	53	96	77	
200S-600W	0-2"	Index	1:25	0.65	0.93	0.34	0.38	0.31	0.56	0.45	
		Count		126	178	70	74	60	109	87	
100N-300W	4-10"	Index	1:27	0.65	0.87	0.24	0.21	0.28	0.53	0.38	
		Count		112	149	41	37	49	91	65	
200S-700W	0-2"	Index	1:30	0.71	0.98	0.31	0.29	0.30	0.59	0.44	
		Count		126	174	56	52	54	105	79	
200S-700W	4-10"	Index	1:33	0.73	1.01	0.26	0.20	0.32	0.61	0.40	
		Count		107	147	39	29	47	89	59	
		Index									
		Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[illegible] Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Page 1 of 2

Site I.D. CFR-15, Samplers Pennick, [illegible], Franklin, Date/Time July 11 87 8:24

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
SS04	BR ~~0-2"~~	Index Count		0.39 59	0.50 75	0.20 31	0.17 26	0.32 48	0.60 91	0.28 42	Standard
0N-400E 01	0-2"	Index Count		0.61 356	0.87 505	0.32 187	0.33 191	0.29 172	0.56 323	0.40 235	rust on shovel
0N-200E 02	0-2"	Index Count		0.73 377	0.93 483	0.46 240	0.47 245	0.34 176	0.63 328	0.45 236	
100N-200E 03	0-2"	Index Count		0.64 387	0.87 520	0.27 167	0.25 155	0.29 174	0.51 306	0.38 231	
100N-100E 04	4-10"	Index Count		0.71 406	0.96 547	0.30 171	0.26 153	0.29 168	0.56 319	0.41 235	
0N-0E 05	0-2"	Index Count		0.76 434	1.02 580	0.45 259	0.54 308	0.33 191	0.59 339	0.46 264	
0N-0E 06	4-10"	Index Count		0.86 442	1.12 576	0.47 242	0.52 270	0.35 184	0.65 335	0.50 261	
0N-0E 07	10-15"	Index Count		0.76 348	1.03 468	0.34 158	0.31 141	0.36 166	0.67 308	0.43 195	
100N-100W 08	0-2"	Index Count		0.73 451	0.91 567	0.31 194	0.30 191	0.29 179	0.54 338	0.37 234	
0N-200W 09	0-2"	Index Count		0.74 472	0.94 599	0.33 213	0.32 206	0.29 187	0.53 342	0.39 252	
0N-200W 10	0-2"	Index Count		0.81 467	0.97 558	0.33 194	0.33 195	0.31 180	0.57 329	0.41 237	replication
100N-300W 14	0-2"	Index Count		0.76 445	0.94 547	0.30 176	0.28 163	0.30 179	0.59 333	0.40 232	
0N-400W 15	0-2"	Index Count		0.74 439	0.93 555	0.35 210	0.36 214	0.30 180	0.56 334	0.40 239	
100S-400W 16	0-2"	Index Count		0.80 463	1.01 587	0.48 279	0.49 287	0.34 197	0.60 352	0.47 272	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-15, Samplers Pennick, Prabita, Franklin, Date/Time July 11 87 11:45

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
100S-500W 17	0-2"	Index		0.77	0.96	0.44	0.44	0.32	0.60	0.47	
		Count		457	570	265	265	193	357	278	
" 18	4-10"	Index		0.84	1.10	0.50	0.48	0.37	0.67	0.53	
		Count		446	587	269	257	199	356	283	
" 19	10-15"	Index		0.73	0.97	0.30	0.26	0.33	0.63	0.41	
		Count		376	496	155	136	170	321	212	
200S-600W 20	4-10"	Index		0.89	1.18	0.50	0.55	0.36	0.65	0.53	
		Count		452	595	253	278	186	328	269	
200S-700W 21	0-2"	Index		0.69	0.89	0.30	0.28	0.29	0.55	0.39	
		Count		421	543	184	172	181	334	237	
100S-700W 22	0-2"	Index		0.68	0.86	0.29	0.27	0.29	0.55	0.37	
		Count		402	513	174	161	174	328	224	
0N-600W 23	0-2"	Index		0.72	0.93	0.34	0.33	0.30	0.57	0.43	
		Count		443	568	207	201	185	347	264	
0N-600W 24	4-10"	Index		0.80	1.02	0.35	0.34	0.33	0.61	0.42	
		Count		438	553	192	185	181	331	231	
		Index									
		Count									
		Index									
		Count									
		Index									
		Count									
		Index									
		Count									
		Index									
		Count									
		Index									
		Count									

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include [illegible]tation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-22, Samplers B Grant DCO D. Dollhopf, J. Franklin, Date/Time BG July ~~June~~ 06 1987 11:25

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
Calibration		Index		0.40	0.48	0.20	0.18	0.30	0.56	0.25	30 sec. count
		Count		60	72	31	28	45	85	38	STANDARD SS-04 25 June 1986
ON-0W	0-2"	Index		0.72	1.02	0.24	0.21	0.32	0.64	0.43	topsoil appears uncontaminated.
		Count		100	141	33	30	45	89	60	dry
ON-100W	0-2"	Index		0.66	0.97	0.25	0.22	0.37	0.66	0.38	topsoil, dry.
		Count		82	121	31	28	46	82	48	0-36" soil, no visible contaminat.
ON-200W	0-2"	Index		0.82	1.06	0.27	0.20	0.34	0.67	0.42	topsoil, dry
		Count		112	145	37	28	47	92	58	
ON-300W	0-2"	Index		0.79	1.10	0.25	0.24	0.39	0.73	0.42	topsoil, dry
		Count		85	131	30	29	47	88	51	
ON-400W	0-2"	Index		0.81	1.04	0.27	0.26	0.33	0.64	0.40	topsoil, dry
		Count		121	156	41	40	50	96	60	
ON-500W	0-2"	Index		0.84	1.06	0.28	0.25	0.40	0.82	0.39	topsoil, dry
		Count		87	110	29	26	42	85	41	
ON-700W	0-2"	Index		0.87	1.10	0.26	0.22	0.36	0.68	0.40	topsoil, dry
		Count		104	131	31	27	44	81	48	
ON-700W	2"-12"	Index		0.97	1.20	0.22	0.21	0.35	0.65	0.43	topsoil, dry
		Count		128	158	30	28	46	86	57	silt loam texture
ON-700W	12-18"	Index		1.07	1.36	0.23	0.18	0.29	0.61	0.45	Loam
		Count		148	188	32	26	41	85	63	
ON-700W	18-24"	Index		0.94	1.18	0.26	0.20	0.36	0.65	0.41	$CaCO_3$ present
		Count		123	154	35	26	47	85	54	Loam
ON-700W	24-30"	Index		1.02	BG ~~1.02~~ 1.34	0.25	0.19	0.33	0.68	0.42	Loam w/ $CaCO_3$
		Count		131	172	32	25	43	88	55	gravel @ 30"
ON-900W	0-2"	Index		0.76	0.41	0.29	0.28	0.39	0.76	0.36	sandy loam topsoil
		Count		93	111	36	34	48	93	44	
100N-800W	2"-4"	Index		0.68	0.81	0.25	0.26	0.38	0.70	0.37	Loamy sand lense
		Count		87	103	33	34	49	89	47	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B Grant DEQ — July 96

Site I.D. CFR-SO-22, Samplers J. Franklin, D. Dallbope, Date/Time 1997 / 12:20

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
100N, 600W	0-2.4	Index		0.77	0.93	0.29	0.27	0.47	0.83	0.43	silt loam topsoil, c
		Count		71	86	27	25	44	77	40	
100N, 400W	0-2"	Index		0.75	0.96	0.26	0.21	0.31	0.58	0.39	silt loam topsoil
		Count		116	148	40	33	48	89	61	
100N, 200W	4-8"	Index		0.87	1.02	0.32	0.28	0.36	0.65	0.43	Loam
		Count		129	161	49	43	56	99	66	
100N, 0W	0-2"	Index		0.88	1.06	0.29	0.24	0.41	0.75	0.44	s. lt loam topsoil
		Count		114	137	38	32	54	97	57	
200N, 500W	0-2"	Index		1.15	1.26	0.33	0.29	0.37	0.69	0.46	loam topsoil
		Count		147	161	42	38	47	88	59	
200N, 700W	0-2"	Index		1.08	1.23	0.30	0.29	0.33	0.69	0.46	loam topsoil
		Count		123	140	35	33	44	78	52	
200N, 900W	0-2"	Index		1.02	1.10	0.31	0.27	0.38	0.72	0.42	loam, topsoil
		Count		122	132	38	33	46	86	51	
100N, 1000W	0-2"	Index		0.99	1.05	0.32	0.31	0.38	0.73	0.44	loam, topsoil
		Count		118	126	39	37	46	87	53	
300N, 1000W	33-36"	Index		0.75	0.83	0.24	0.20	0.37	0.68	0.34	10-14" C-horizon with CaCO3 14-36" clay/sandy grael @ 36" - sandy loam topsoil
		Count		100	110	32	27	50	90	45	
300N, 800W	0-2"	Index		1.07	1.07	0.39	0.33	0.39	0.69	0.44	
		Count		136	137	50	42	50	88	57	
300N, 600W	0-2"	Index		1.12	1.17	0.40	0.40	0.39	0.73	0.46	loam topsoil
		Count		143	149	52	51	50	93	59	
300N, 500W	0-2"	Index		1.06	1.17	0.37	0.36	0.39	0.76	0.43	loam topsoil
		Count		124	136	44	42	46	89	51	
———	———	Index		XRF	Readings of	Samples. 100		second	counts		
		Count									
ON-0W	0-2"	Index		0.89	1.07	0.31	0.27	0.43	0.81	0.39	8-40451
		Count		322	386	112	99	156	291	141	

for all of site, well drained, no mottling present

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Co[illegible]ts s[illegible]ld i[illegible]de [illegible]tati[illegible] ref[illegible]ce.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-22, Samplers B. Grant DCO, D. Dollhopf, J. Franklin, Date/Time July 06 1987 / 14:40

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
ON-100W	6"-10"	Index		1.04	1.23	0.26	0.22	0.32	0.62	0.37	8-40453
		Count		528	624	132	114	166	314	192	
ON-200W	0"-2"	Index		1.00	1.18	0.25	0.22	0.36	0.69	0.39	8-40455
		Count		447	526	112	100	162	308	176	
ON-300W	6"-10"	Index		1.07	1.25	0.24	0.22	0.36	0.68	0.41	8-40456
		Count		489	575	110	104	167	321	189	
ON-400W	0"-2"	Index		0.96	1.07	0.27	0.25	0.34	0.65	0.38	8-40457
		Count		479	537	135	127	173	326	192	
ON-500W	0"-2"	Index		1.11	1.25	0.25	0.23	0.34	0.64	0.40	8-40458
		Count		520	586	121	111	161	300	189	
ON-700W	0"-2"	Index		1.03	1.12	0.27	0.22	0.37	0.70	0.37	8-40459
		Count		455	497	121	101	165	311	167	
ON-900W	0"-2"	Index		0.96	1.00	0.30	0.30	0.35	0.66	0.38	8-40460
		Count		451	471	141	141	167	312	178	
100N, 1000W	6"-10"	Index		1.12	1.21	0.27	0.25	0.34	0.65	0.38	8-40461
		Count		535	576	129	119	166	310	184	
100N, 800W	0"-2"	Index		0.99	1.08	0.31	0.28	0.36	0.70	0.40	8-40462
		Count		442	482	142	128	164	312	180	
100N, 600W	BG 7-06-87 ~~0"-2"~~ 6"-10"	Index		1.01	1.15	0.25	0.22	0.35	0.68	0.41	8-40463
		Count		460	520	113	101	161	310	186	
100N, 400W	0"-2"	Index		0.93	1.03	0.27	0.24	0.36	0.68	0.37	8-40464
		Count		413	458	123	107	163	305	165	
100N, 200W	0"-2"	Index		1.04	1.14	0.28	0.26	0.35	0.67	0.41	8-40465
		Count		477	521	132	123	160	307	190	
		Index									
		Count									
		Index									
		Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — Page 4 of 4

Site I.D. CFR-SO-22, Samplers B. Grant DCO, D. Dollhopf, J. Franklin, Date/Time July 07 1987 / 8:05

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
Calibration		Index		0.38	0.46	0.20	0.20	0.38	0.69	0.24	Standard SS-04, 25 June, 1986
		Count		48	58	26	25	48	87	31	30 second count
100N-0W	0"-2"	Index		0.78	1.09	0.27	0.24	0.37	0.68	0.47	8-40466
		Count		334	467	118	103	160	293	202	
200N-500W	0"-2"	Index		0.73	1.03	0.27	0.25	0.33	0.65	0.44	8-40467
		Count		380	533	143	130	172	335	229	
200N-700W	0"-2"	Index		0.79	1.09	0.29	0.26	0.35	0.66	0.47	8-40468
		Count		373	515	137	124	167	314	222	
200N-900W	0"-2"	Index		0.76	1.06	0.28	0.27	0.33	0.63	0.45	8-40469
		Count		367	509	137	132	160	305	216	
300N-800W	0"-2"	Index		0.74	1.00	0.29	0.30	0.36	0.68	0.44	8-40470
		Count		373	502	148	151	182	341	224	
300N-600W	0"-2"	Index		0.78	1.11	0.32	0.31	0.34	0.63	0.46	8-40471
		Count		398	564	165	157	174	321	236	
300N-500W	6"-10"	Index		0.83	1.13	0.29	0.24	0.34	0.63	0.46	8-40472
		Count		440	600	155	131	185	337	246	
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location. Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant DCO — July 08 —

Site I.D. CFR-SO-24 10:45, Samplers J. Franklin, D. Dollhopf, Date/Time 1987 / 10:55

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area 30 second counts----------							
05-0W	0-2"	Index		1.10	1.25	0.37	0.38	0.41	0.75	0.49	Soil w/ tailings 2
		Count		143	162	49	50	53	97	64	directly east of dike
05-0W	2"-6"	Index		1.11	1.28	0.49	0.51	0.47	0.86	0.60	2"-16" tailings,
		Count		145	167	64	67	62	112	78	16" and below is soil
65S-0W	0"-2"	Index		0.51	0.54	0.27	0.24	0.38	0.68	0.29	bare tailings, salts on surface. 16. but with orange mottles silty
		Count		80	84	42	38	60	105	46	
65S-0W	0"-2"	Index		0.44	0.46	0.30	0.27	0.38	0.73	0.29	resample 1
		Count		60	62	41	37	52	98	40	
65S-0W	8"-12"	Index		1.12	1.20	0.40	0.39	0.58	0.97	0.49	brown tailings 1
		Count		151	161	54	53	79	130	66	tailings 0-12", w/ buried topsoil
65S-0W	12"-18"	Index		0.95	1.01	0.72	0.51	0.35	0.67	0.69	topsoil, brown reddish mottled buried soil
		Count		144	154	110	78	53	102	105	
80S-100W	0"-2"	Index		1.01	1.12	0.42	0.43	0.46	0.80	0.52	brown tailings 1
		Count		132	146	55	56	60	105	68	
80S-100W	6"-10"	Index		0.67	0.66	0.26	0.26	0.37	0.72	0.32	buff tailings 1
		Count		102	101	40	40	57	110	49	0-14" = tailings below 14", buried A horiz
150S-0W	0"-2"	Index		1.40	1.38	0.45	0.39	0.55	0.95	0.50	bare tailings tailings 0-11" 1
		Count		168	166	54	47	66	115	60	
150S 0W DID 7-8-87	11"-15"	Index		0.95	1.03	0.61	0.50	0.34	0.66	0.63	buried top soil 3
		Count		130	141	83	68	47	90	86	
200S-100W	0"-2"	Index		1.16	1.14	0.42	0.39	0.47	0.85	0.46	bare tailings 1
		Count		149	146	54	50	61	110	59	
200S-100W	10"-13"	Index		1.48	1.47	0.38	0.36	0.64	1.09	0.51	tailings, 0-13" orange, grey 1
		Count		195	193	50	48	91	144	67	
200S-100W	13"-16"	Index		1.35	1.28	0.60	0.51	0.45	0.81	0.65	buried topsoil 3
		Count		185	176	83	71	63	111	90	
200S-100W	36"-42"	Index		0.92	0.96	0.35	0.32	0.30	0.55	0.41	buried topsoil, 3
		Count		145	150	55	50	47	87	64	sandy gravel @ 42", saturated @ 34".

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-24, Samplers J. Franklin, D. Dollhopf, B. Grant DCO, Date/Time July 08 1987 / 11:50

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
200S-200W	0"-2"	Index		1.33	1.30	0.51	0.47	0.64	1.02	0.54	tailings from 0"-4". 4" and below = soil 1
		Count		164	161	63	58	79	126	67	
200S-195W	0"-~~2~~" 3/16" DJD 7-8-87	Index		2.10	2.08	6.42	4.34	0.65	1.09	5.19	bluish white salts on surface, moist, mixed w/ tails 2
		Count		194	192	591	400	60	101	478	
100S-200W	0"-2"	Index		0.66	0.64	0.38	0.31	0.33	0.59	0.37	boggy area w/ cattails. Organic horizon w/ soil material 3
		Count		112	109	65	53	56	100	64	
0S-100W	0"-2"	Index		0.93	0.95	0.41	0.40	0.40	0.74	0.48	Soil mixed with tailings 2 tailings 2-12", below 12" = soil
		Count		135	138	60	58	59	107	70	
BG 7-07-87 0S-~~0W~~ 200W	0"-2"	Index		1.15	1.69	0.68	0.60	0.66	1.11	0.72	dry, bare tails 0-3", overlying gravel bar 1
		Count		171	186	75	66	73	123	80	
0S-300W	0"-2"	Index		0.82	0.80	0.52	0.45	0.49	0.84	0.52	tailings mixed w/ soil buried soil at 6" 2
		Count		90	88	57	50	54	92	57	
0S-400W	0"-2"	Index		0.89	0.92	0.39	0.39	0.52	0.91	0.40	lt. buff tails, roots present 0"-7" 1
		Count		101	104	45	45	59	103	46	
0S-400W	7"-9"	Index		1.29	1.27	2.28	1.50	0.45	0.83	1.96	buried soil with roots 3
		Count		127	125	224	147	45	82	193	
0S-400W	BG 7-08-87 ~~10"-7~~ 11"-14"	Index		1.08	1.01	0.41	0.35	0.37	0.73	0.44	buried soil 3
		Count		130	122	50	42	45	88	53	
0S-500W	0"-2"	Index		1.24	1.15	0.44	0.37	0.47	0.83	0.53	Soil mixed with tailings. Abundant roots 2
		Count		126	117	45	38	48	84	54	
0S-600W	5"-10"	Index		0.93	0.88	0.38	0.35	0.50	0.85	0.41	0"-5" topsoil with abundant roots. 5" and below = tailing. below 12" = topsoil 3
		Count		125	118	51	48	67	115	55	
100S-600W	0"-2"	Index		0.99	0.93	0.65	0.53	0.53	0.88	0.58	dike, bare tailings w/ some salts on surface. 1
		Count		112	106	74	61	60	100	66	
100S-600W	2"-10"	Index		0.97	0.93	0.42	0.38	0.48	0.84	0.44	buff tails 1
		Count		130	124	56	51	65	113	59	
100S-600W	10"-20"	Index		1.32	1.22	0.52	0.43	0.68	1.08	0.54	buff-grey tails 0"-30" tails 1
		Count		147	136	58	48	76	120	60	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include [illegible] reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — Page 3 of 5

Site I.D. CFR-SO-24, Samplers J. Franklin, D. Dellbopf B.Grant DCO, Date/Time July 08 1987 / 13:05

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				---------- Spectral Peak Area ----------							
100S-600W	30-36	Index		1.27	1.16	0.76	0.66	0.41	0.79	0.59	Topsoil 3
		Count		135	123	81	70	44	84	63	
150S-600W	0"-2"	Index		1.66	1.54	0.61	0.53	0.49	0.87	0.65	Soil mixed w/ some tails. Plants present 2
		Count		171	159	63	55	51	90	67	
150S-500W	4"-8"	Index		1.30	1.14	0.45	0.38	0.54	0.92	0.53	0-4" soil w/ tails, 4"-14" buff tails 2
		Count		106	93	37	31	44	75	43	14" and below = soil
150S-500W	12"-14"	Index		2.11	1.86	0.75	0.65	0.80	1.29	0.83	Tailings above soil contact. 2
		Count		211	186	75	65	80	129	83	
150S-500W	14"-17"	Index		1.31	1.14	0.73	0.52	0.41	0.75	0.80	soil below contact 3
		Count		152	133	85	61	48	88	93	
100S-400W	0"-4"	Index		1.53	1.46	0.62	0.45	0.46	0.81	0.74	breach in olike base soil 3
		Count		177	169	72	52	53	94	86	
100S-400W	6"-10"	Index		1.33	1.22	0.46	0.42	0.56	0.98	0.51	~~base soil~~ BG 7-07-87 tailings 1
		Count		180	165	63	57	76	133	70	Strike
100S-500W	4"-8"	Index		1.28	1.14	0.57	0.46	0.49	0.89	0.61	Soil mixed w/ tails 0"-1", 1" and below = tails 2
		Count		147	130	65	53	56	102	70	
170S-400W ~~400S-170W~~ BG 7-07-87	0"-2"	Index		1.09	0.93	0.43	0.37	0.47	0.85	0.46	0-2" soil w/ tails 2"-9" soil 9"-15" tails? 2
		Count		127	109	50	43	55	99	54	
170S-400W ~~400S-170W~~ BG 7-07-87	9"-12"	Index		1.94	1.65	0.48	0.42	0.46	0.80	0.58	tailings? 1
		Count		231	197	58	50	55	96	70	
200S-300W	0"-2"	Index		1.71	1.49	0.58	0.49	0.47	0.84	0.59	soil, w/ Plants & shrubs. no tails 3
		Count		180	157	61	52	50	89	62	
100S-300W	0"-2"	Index		1.20	1.06	0.48	0.40	0.52	0.88	0.53	tails mixed with soil 2
		Count		132	117	53	44	58	97	59	
———	———	Index		Soils sampling, 100 second counts							
		Count									
0S-200W	0"-2"	Index		1.85	1.63	0.67	0.60	0.81	1.29	0.73	8-40499 1
		Count		686	677	248	223	300	478	271	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant DCO — July 08 1987 —

Site I.D. CFR-SO-24, Samplers J. Franklin, D. Dallhoff, Date/Time 1430

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
0S -100W	0"-2"	Index		1.12	1.12	0.51	0.45	0.45	0.82	0.56	
		Count		460	459	212	188	188	339	231	8-25025 2
65S-0W	0"-2"	Index		0.63	0.59	0.32	0.30	0.43	0.78	0.36	
		Count		283	265	146	136	193	349	161	8-25026 1
150S-0W	BG 7-09-87 ~~4"-11"~~ 0"-2"	Index		1.23	1.23	0.48	0.41	0.49	0.88	0.57	
		Count		528	526	208	177	212	378	247	8-25027 1
150S-0W	9"-11"	Index		~~1.50~~ BG 1.13	1.21	0.56	0.47	0.54	0.94	0.54	
		Count		503	540	253	211	241	420	263	8-39838 1
150S-0W	11"-13"	Index		0.75	0.80	0.58	0.43	0.32	0.60	0.55	
		Count		426	452	330	246	181	341	313	8-39839 1
200S-100W	0"-2"	Index		0.93	1.05	0.37	~~0.47~~ BG 7-08-87 0.32	0.49	0.87	0.44	
		Count		423	478	170	149	226	397	201	8-39840 1
200S-100W	10"-13"	Index		1.12	1.28	0.39	0.34	0.69	1.09	0.48	
		Count		509	581	178	155	316	496	218	8-39841 1
100S-200W	0"-2"	Index		0.58	0.64	0.27	0.25	0.29	0.54	0.31	
		Count		399	446	192	176	203	377	219	8-39842 3
100S-300W	0"-2"	Index		0.85	0.93	0.34	~~0.23~~ BG 7-08-87 0.32	0.44	0.74	0.41	
		Count		424	468	171	162	220	373	205	8-39843 2
200S-300W	0"-2"	Index		1.18	1.33	0.43	0.39	0.41	0.73	0.50	
		Count		529	597	193	174	185	328	225	8-39845 3
200S-300W	0"-2"	Index		1.20	1.31	0.44	0.41	0.41	0.76	0.50	
		Count		529	575	195	183	183	336	222	8-39846 3
100S-400W	0"-4"	Index		1.05	1.12	0.52	0.43	0.37	0.69	0.58	
		Count		500	535	247	207	177	331	276	8-39847 1
~~Calibration~~	7-09-87	Index					BG 7-09-87				
		Count									
Calibration		Index		0.39	0.48	0.21	0.19	0.34	0.65	0.26	7-09-87
		Count		55	69	30	27	49	92	37	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include calibration reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant DCO — July 09 —

Site I.D. CFR-SO-24, Samplers J. Franklin, D. Dellhopf, Date/Time 1987/ 8:05

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
0S-400W	0"-2"	Index		0.60	0.82	0.39	0.38	0.39	0.71	0.41	
		Count		306	419	199	195	200	363	213	B-39848 3
0S-400W	7"-9"	Index		0.78	1.01	1.17	1.17	0.36	0.63	0.84	
		Count		406	527	608	608	189	327	440	B-39849 3
0S-400W	11"-14"	Index		0.64	0.85	0.23	0.21	0.32	0.60	0.35	
		Count		338	445	124	110	169	315	188	B-39850 3
0S-600W	5"-10"	Index		0.67	0.88	0.29	0.28	0.46	0.79	0.39	B-39895 3
		Count		401	521	177	170	275	471	235	mois
150S-600W	0"-2"	Index		0.89	1.15	0.38	0.37	0.40	0.71	0.48	
		Count		478	551	185	180	191	340	229	B-39896 2
150S-500W	12"-14"	Index		1.04	1.35	0.38	0.38	0.61	1.00	0.52	
		Count		504	655	185	186	295	484	253	B-39899 2
150S-500W	14"-17"	Index		0.84	1.03	0.87	0.73	0.34	0.62	0.72	8-7-09-87
		Count		423	516	436	364	170	313	360	~~B-39898~~ 2
											B-39900
200S-195W	0"-3/16"	Index		1.09	1.31	1.93	1.79	0.58	0.96	1.31	
		Count		447	537	792	736	241	395	536	B-25045 2
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

XRF Field Data Form

Page 1 of 2

Site I.D. ~~25~~ CFR-SO-25, Samplers Rennick, Babits, Franklin, Date/Time July 11, 87 / 16:10
July 12 87 8.40

Station Location[1]	Depth		time S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
01 700N-0W	0-2"	Index Count July 11 87	16:42	1.08 478	1.12 496	0.33 1.46	0.27 123	0.36 160	0.69 305	0.45 200	
02 700N-0W	4-10"	Index Count	16:44	1.40 588	1.50 630	0.26 113	0.23 98	0.36 154	0.68 285	0.46 193	
03 "	10-20"	Index Count	16:46	1.38 596	1.42 614	0.26 114	0.22 96	0.36 158	0.70 303	0.43 188	
07 700N-200W	0-2"	Index Count	17:10 ~~16~~ BR 9-11-87	1.11 456	1.28 527	0.40 164	0.33 138	0.39 162	0.72 296	0.53 219	
08 600N-200W	0-2"	Index Count	17.17	1.01 466	1.12 516	0.31 146	0.27 127	0.35 163	0.67 312	0.44 206	
09 500N-300W	0-2"	Index Count	17:21	1.00 464	1.10 514	0.41 191	0.32 151	0.37 176	0.70 329	0.49 229	
10 600N-0W	2-6"	Index Count July 12 87	78:40	1.08 531	1.73 849	0.28 140	0.22 110	0.31 153	0.59 291	0.50 245	
11 500N-100W	0-2"	Index Count (BR)	78:51	1.10 578	1.69 887	0.43 225	0.34 183	0.36 190	0.65 341	0.55 289	
12 400N-100W	0-2"	Index Count	78:59	0.69 379	1.29 709	0.29 162	0.26 144	0.31 171	0.57 314	0.40 223	
13 "	0-2" ~~2~~ (BR)	Index Count	9:02	0.83 388	1.28 598	0.36 169	0.30 141	0.37 174	0.68 319	0.48 224	
14 300N-100W	0-2"	Index Count	9:14	0.77 382	1.44 714	0.34 169	0.29 145	0.36 181	0.64 319	0.49 246	
15 "	2-6"	Index Count	9:18	0.84 357	1.40 593	0.38 164	0.34 144	0.42 177	0.74 312	0.54 229	
16 400N-200W	0-2"	Index Count	8:31	0.93 443	1.73 822	0.33 157	0.27 128	0.34 165	0.65 311	0.50 237	
17 300N-300W	0-2"	Index Count	8:40	0.66 407	1.28 791	0.23 145	0.20 125	0.26 162	0.49 306	0.39 240	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Co[illegible]ts [illegible]ld i[illegible]de [illegible]tat[illegible] ref[illegible]ce.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-25, Samplers Bennett, Babitz, Franklin, Date/Time July 12 87 / 8:45

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
100N-300W[18]	2-6"	Index	8:51	0.87	1.19	0.32	0.26	0.36	0.66	0.49	
		Count		401	551	148	123	169	308	229	
0N-300W[19]	0-2"	Index	8:59	0.69	0.89	0.31	0.26	0.29	0.57	0.40	
		Count		417	538	189	152	178	341	245	
0N-300W[20]	2-6"	Index	9:04	1.05	1.34	0.32	0.27	0.36	0.68	0.53	
		Count		472	603	147	122	165	308	241	
100N-200W[21]	0-2"	Index	9:22	0.86	1.14	0.35	0.28	0.39	0.72	0.48	
		Count		414	548	169	138	187	345	233	
0N-0W[22]	0-2"	Index	9:31	0.75	0.89	0.33	0.27	0.33	0.65	0.43	
		Count		319	381	143	117	143	280	186	
100N-0W[23]	2-6"	Index	9:45	0.99	1.23	0.36	0.30	0.39	0.71	0.52	
		Count		446	553	164	137	179	322	236	
200N-0W[24]	0-2"	Index	9:53	0.98	1.20	0.35	0.29	0.38	0.71	0.50	
		Count		468	570	168	141	184	340	239	
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

BR 7-11-87

XRF Field Data Form

Site I.D. CFR-SO-25, Samplers Bobis, Rennick, Franklin Date/Time 7/10/87/1540

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
~~100N-100W~~ 200N-100W MB	0-2"	Index Count	1600	0.55 104	0.76 142	0.29 54	0.24 49	0.30 56	0.57 107	0.40 75	SATURATED
"	2-4"	Index Count	1603	0.98 127	1.25 179	0.42 61	0.34 52	0.44 64	~~0.57~~ MB 0.78 ~~1.02~~ 1.12 MB	0.85 80	moist
"	4-10"	Index Count	1606	0.89 133	1.30 193	0.33 49	0.27 41	0.33 49	0.62 92	0.54 80	
"	10-20"	Index Count	1608	0.80 108	1.06 144	0.25 35	0.21 29	0.36 49	0.65 89	0.45 62	
700N-200W	0-2"	Index Count	1615	0.90 139	1.25 194	0.31 49	0.30 47	0.32 50	0.61 94	0.52 81	
"	4-10"	Index Count	1617	0.74 118	1.12 166	0.26 39	0.20 31	0.29 43	0.58 86	0.47 71	
600N-300W	2-6"	Index Count	1627	0.87 116	1.21 161	0.29 39	0.26 35	0.39 50	0.70 93	0.54 72	
"	0-2"	Index Count	1636	0.72 124	1.05 181	0.29 51	0.22 39	0.30 53	0.59 101	0.48 83	
700N-300W	0-2"	Index Count	1632	0.82 128	1.19 186	0.39 58	0.27 43	0.34 54	0.61 96	0.54 85	saturated
"	2-6"	Index Count	1634	0.88 122	1.29 179	0.40 56	0.34 47	0.40 56	0.76 105	0.61 85	
600N-100W	0-2"	Index Count	1645	0.81 115	1.11 157	0.39 56	0.33 47	0.37 53	0.68 96	0.55 78	
"	2-6"	Index Count	1650	0.89 123	1.26 174	0.33 46	0.30 42	0.34 48	0.67 93	0.52 73	
600N-0W	2-6"	Index Count	1700	0.96 128	1.56 208	0.28 38	0.23 31	0.36 49	0.71 95	0.60 80	
"	0-2"	Index Count	1705	0.82 114	~~1.88~~ 1.18 163 MB	0.36 51	0.33 46	0.36 51	0.71 99	0.54 75	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location. Comments should include relevant information.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-25, Samplers Rabik, Daniels, Franklin, Date/Time 7/16/87 1645

Station Location[1]	Depth		Time	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
600N-200W	2-6"	Index	1646	0.77	1.17	0.32	0.28	0.35	0.70	0.48	
		Count		109	165	45	40	50	98	68	
"	0-2"	Index	1648	0.72	0.97	0.32	0.29	0.33	0.61	0.44	
		Count		109	146	49	44	50	92	66	
100N-0W	0-2"	Index	1713	0.76	1.07	0.27	0.23	0.38	0.70	0.49	
		Count		106	148	38	32	53	97	68	
"	2-6"	Index	1707	0.93	1.40	MB ~~0.54~~ 0.25	0.20	0.36	0.67	0.54	
		Count		131	196	MB 76 35	29	51	95	76	
500N-0W	0-2"	Index	1710	0.74	1.05	~~0.36~~ MB 0.36	0.32	0.35	0.68	0.51	
		Count		107	151	52	46	51	98	73	
"	2-6"	Index	1701	0.87	1.28	0.42	0.35	0.36	0.68	0.59	
		Count		122	180	60	50	51	96	83	
500N-100W	0-2"	Index	1721	0.88	1.37	0.52	0.50	0.57	0.99	0.64	
		Count		117	181	69	67	76	131	85	
~~50~~ NB "	2-6"	Index	1726	0.80	1.25	0.33	0.32	0.98	0.69	0.55	1726 started to get low bat. reading.
		Count		110	170	45	44	53	94	75	
500N-200W	0-2"	Index	1731	0.73	1.14	0.31	0.28	0.35	0.65	0.51	
		Count		109	172	47	42	53	97	76	
"	2-6"	Index	1746	0.79	1.16	0.38	0.35	0.38	0.72	0.54	
		Count		117	171	56	52	56	107	80	
500N-300W	0-2"	Index	1730	0.73	1.12	0.39	0.31	0.34	0.63	0.55	
		Count		126	184	65	52	56	104	90	
"	2-6"	Index	1725	0.74	1.06	0.32	0.29	0.34	0.65	0.50	
		Count		107	168	47	43	49	94	72	
400N-200W	0-2	Index	1737	0.83	1.04	0.42	0.36	0.37	0.68	0.57	
		Count		130	179	67	57	58	107	89	
"	2-6"	Index	1736	0.86	1.31	0.47	0.39	0.46	0.78	0.59	
		Count		119	181	65	55	64	108	82	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-25, Samplers BABITS, REZNICIC, FRANKLIN, Date/Time 7/10/87 1735
7/11/87 1430

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
400N-~~200W~~ 300W MB	0-2"	Index	1740	0.74	1.20	0.50	0.45	0.38	0.68	0.59	
		Count		128	201	85	76	64	115	99	
"	2-6"	Index	1742	~~0.76~~ 0.83	130	0.41	0.38	0.38	0.67	0.58	
		Count		~~120~~ 123 MB	193	62	57	57	100	87	
400N-200W	2-6"	Index	1742	0.83	1.30	0.41	0.38	0.38	0.67	0.58	MB
		Count		123	193	62	57	57	100	87	
	0-2"	Index									MB
		Count									
400N-100W	0-2"	Index	1752	0.90	~~1.35~~	0.39	0.36	0.39	0.71	0.61	
		Count		137	204	60	55	59	108	93	
"	2-6"	Index	1747	0.82	1.22	0.43	0.43	0.49	0.86	0.58	
		Count		122	180	64	64	73	127	86	
400N-0W	0-2"	Index	1757	0.72	1.05	0.41	0.32	0.36	0.65	0.53	
		Count		115	166	65	52	57	104	85	
"	2-6"	Index	1749	0.80	~~1.45~~ 1.15 MB	0.34	0.29	0.33	0.62	0.53	
		Count		121	174	52	44	50	94	81	
300N-0W	0-2"	Index	1430	1.00	1.17	0.34	0.32	0.33	0.64	0.46	
		Count		150	176	51	48	50	96	70	
"	2-6"	Index	7-11-87 1432	0.93	1.02	0.41	0.34	0.36	0.62	0.46	
		Count		133	146	59	49	52	90	67	
300N-100W	0-2"	Index	1434	1.11	1.35	0.41	0.31	0.39	0.68	0.51	in gully BS*
		Count		161	195	60	46	57	99	74	
"	2-6"	Index	1435	~~1.13~~ (BR)	1.40	0.35	0.34	0.37	0.73	0.47	
		Count		133	164	42	40	44	86	56	
300N-200W	0-2"	Index	14:37	1.00	1.18	0.35	0.31	0.38	0.69	0.44	Coarse BS
		Count		145	170	51	46	55	100	64	
"	2-6"	Index	14:39	1.21	1.33	0.34	0.32	0.38	0.68	0.51	"
		Count		159	175	45	43	50	90	67	

* = Bare Soil

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY

7-11-87 (BB) 4

XRF Field Data Form

Page 8 of 5

Site I.D. CFR-50-25, Samplers Rennick, Babits, Franklin, Date/Time July 11, 87 / 14:40

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			Spectral Peak Area								
300N-300W	0-2"	Index	1443	1.04	1.20	0.29	0.24	0.32	0.58	0.41	some vegetation mostly BS
		Count		150	172	42	35	47	83	59	
"	2-6"	Index	1445	1.19	1.29	0.35	0.31	0.41	0.77	0.45	"
		Count		130	141	39	34	45	85	50	
200N-300W	0-2"	Index	14:47	1.07	1.20	0.38	0.29	0.37	0.72	0.48	
		Count		144	162	52	40	50	97	65	
"	2-6"	Index	14:49	1.06	1.26	0.46	0.33	0.41	0.75	0.52	
		Count		143	170	62	45	55	101	70	
"	6-12"	Index	14:50	1.15	1.36	0.33	0.28	0.36	0.73	0.48	0% coarse fragments
		Count		138	163	40	34	44	88	58	
200N-200W	0-2"	Index	14:51	~~1.07~~ 1.19 (BB)	1.19	0.37	0.28	0.36	0.71	0.47	
		Count		143	155	49	37	48	93	62	
"	2-6"	Index	14:52	1.19	1.26	0.37	0.33	0.44	0.78	0.45	
		Count		133	140	42	37	49	87	51	
200N-100W	0-2"	Index	15:00	1.13	1.17	0.41	0.31	0.36	0.67	0.50	
		Count		145	151	53	40	47	87	65	
"	2-6"	Index	15:02	1.42	1.40	0.39	0.30	0.41	0.78	0.48	
		Count		160	157	44	34	46	88	54	
200N-0W	0-2"	Index	15:03	1.34	1.35	0.40	0.32	0.39	0.69	0.52	20% CF
		Count		146	167	50	40	49	85	64	
"	2-6"	Index	15:07	1.46	1.39	0.36	0.32	0.37	0.75	0.46	35% CF
		Count		165	158	41	37	42	85	53	
100N-0W	0-2"	Index	15:09	1.42	1.30	0.41	0.33	0.40	0.77	0.50	15% CF
		Count		168	154	49	39	48	92	60	
"	2-6"	Index	15:12	1.64	1.50	0.31	0.28	0.37	0.72	0.50	
		Count		171	157	33	30	39	81	53	
100N-100W	0-2"	Index	15:15	1.33	1.27	0.44	0.37	0.44	0.79	0.55	
		Count		146	139	49	41	48	87	61	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Page 5 of 5

Site I.D. CFR-SO-25, Samplers Rennick, Rabitz, Franklin, Date/Time ____/____

Station Location[1]	Depth		Time ~~8~~	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
100N-100W	2-6"	Index Count	15:17	1.35 142	~~0~~ 1.26 133	0.42 45	0.33 35	0.40 43	0.79 83	0.56 59	
100N-200W	0-2"	Index Count	15:20	1.35 159	1.33 156	0.37 44	0.31 37	0.42 50	0.81 95	0.52 62	
"	2-6"	Index Count	15:22	1.39 144	1.29 133	0.36 38	0.33 35	0.42 44	0.78 81	0.46 48	
100N-300W	0 2"	Index Count	15:24	0.98 165	0.92 156	0.33 56	0.29 50	0.32 55	0.59 100	0.42 71	good grass growth ← low values
"	2-6"	Index Count	15:26	1.32 139	1.31 138	0.40 42	0.34 36	0.44 47	0.79 83	0.50 53	
0N-300W	0-2"	Index Count	15:29	0.83 125	0.81 122	0.35 53	0.28 42	0.32 49	0.63 94	0.39 59	good grass growth ~~to~~
"	2-6"	Index Count	15:32	1.51 174	1.46 168	0.32 37	0.27 32	0.42 49	0.78 90	0.47 55	
0N-200W	0-2"	Index Count	15:34	1.12 141	1.16 146	0.34 43	0.31 39	0.39 49	0.75 94	0.48 60	
"	2-6"	Index Count	15:36	1.12 134	1.16 139	0.33 40	0.27 33	0.38 46	0.74 89	0.44 53	
0N-100W	0-2"	Index Count	15:39	1.11 150	1.17 157	0.38 51	0.32 43	0.36 49	0.69 93	0.50 68	
"	2-6"	Index Count	15:41	1.08 132	1.13 138	0.39 48	0.30 37	0.40 49	0.74 91	0.46 57	
0N-0W	0-2"	Index Count	15:46	1.08 ~~1.33~~ ~~141~~ 137	~~1.04~~ ~~1.33~~ 132 ~~142~~	0.34 44	0.31 40	0.38 49	0.75 95	~~0~~ 0.41 52	
"	2-6"	Index Count	15:47	0.99 114	0.97 112	0.33 38	0.28 33	0.41 48	0.73 85	0.41 48	
0N-100W	6-~~10~~ 12"	Index Count	15:45	1.33 141	1.33 142	0.30 32	0.27 29	0.40 43	0.76 81	0.44 47	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CF12-50-27, Samplers BABITS, Rennicke, Franklin, Date/Time 7/16/87

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
50E-0N	1-4"	Index		0.94	0.96	0.73	0.66	0.56	0.96	0.65	soil + tailings mixed 2
		Count		116	119	91	82	70	119	80	
	4-6"	Index		0.71	0.76	0.41	0.34	0.34	0.70	0.37	soil below tailings 3
		Count		105	112	60	50	54	103	55	
100N-50E	2-4"	Index		0.79	0.87	0.27	0.29	0.37	0.68	0.34	silt loam 3
		Count		102	113	35	38	48	88	45	no tails in profile
	4-6"	Index		0.88	0.97	0.23	0.23	0.38	0.69	0.35	~~grey~~ silt loam 3
		Count		107	118	29	28	46	84	43	~~silt loam~~ no tails in profile
50E-200N	2-4"	Index		0.65	0.67	0.48	0.41	0.37	0.65	0.41	grey silt loam 3
		Count		118	120	87	75	67	117	75	~~organic layer~~ no
	0-2"	Index		0.54	0.54	0.24	0.23	0.27	0.50	0.26	organic layer 4
		Count		123	124	55	54	63	114	59	
300N-50E	2-4"	Index		0.54	0.56	0.24	0.28	0.30	0.54	0.26	silt loam 3
		Count		100	103	49	52	56	99	49	no tailings in profile
50E 400N	6-8"	Index		1.12	1.07	0.93	0.77	0.58	1.03	0.80	tailings? 1
		Count		144	151	120	99	75	133	103	
	10-12"	Index		0.84	0.85	0.28	0.27	0.38	0.76	0.35	silt loam soil 3
		Count		100	101	34	32	46	90	42	below tailings
400N-100W	0-3"	Index		0.60	0.56	0.44	0.36	0.35	0.67	0.36	organic layer 4
		Count		99	93	73	61	59	112	60	
	3-5"	Index		0.88	0.84	0.78	0.65	0.52	0.87	0.61	tailings 1
		Count		105	100	93	77	62	103	73	
	5-7"	Index		0.80	0.81	0.25	0.22	0.34	0.66	0.32	silt loam 3
		Count		116	118	37	33	50	97	47	below tailings
300N 100W	2-4"	Index		0.81	0.82	0.42	0.39	0.50	0.89	0.41	grey tailings 1
		Count		121	122	63	56	74	129	61	
	12-14"	Index		0.50	0.56	1.61	0.94	0.28	0.50	1.34	buried soil 3
		Count		96	107	306	179	53	96	254	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-27, Samplers Babitz Rennick, Franklin, Date/Time 7/16/87

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
100W 200N	6-8"	Index		0.96	0.99	0.41	0.39	0.42	0.72	0.46	black organic soil 3
		Count		174	180	86	72	77	132	84	
	0-2"	Index		0.63	0.60	0.36	0.32	0.34	0.61	0.35	root zone 3
		Count		128	122	73	65	69	125	72	
100N 100W	6-8"	Index		1.17	1.14	0.98	0.73	0.53	0.90	0.87	silt loam below tailings 3
		Count		138	134	115	86	63	106	102	
	4-6"	Index		1.03	1.03	0.88	0.74	0.53	1.00	0.76	tailings 1
		Count		117	117	100	84	61	113	87	
0N-100W	6-8"	Index		0.70	0.68	0.52	0.43	0.45	0.79	0.46	buried soil 3
		Count		98	95	73	61	63	111	65	
	3-6"	Index		1.19	1.12	0.93	0.77	0.55	0.94	0.82	tailings 1
		Count		143	135	112	93	67	113	99	
	0-3"	Index		0.77	0.73	0.71	0.65	0.47	0.80	0.57	root zone 3
		Count		100	95	92	84	61	104	74	
0N 200W	3-6"	Index		1.18	1.24	0.72	0.59	0.61	1.00	0.67	tailings 1
		Count		140	147	85	70	72	119	80	
	6-8"	Index		1.17	1.16	0.78	0.61	0.51	0.86	0.70	silt loamy below ~~buried soil~~ tailings 3 MS
		Count		125	123	83	65	55	92	75	
100W 200W	3-6"	Index		1.05	102	0.85	0.76	0.59	1.00	0.77	tailings 1
		Count		108	105	87	78	61	103	79	
	0-3"	Index		0.92	0.90	0.86	0.66	0.51	0.86	0.64	root zone 3
		Count		112	110	105	81	62	105	84	
	6-8"	Index		1.20	1.12	0.33	0.33	0.37	0.75	0.43	silt loam below tailings 3
		Count		160	149	45	44	50	101	58	
200N-200W	3-5"	Index		1.24	1.29	0.54	0.45	0.59	1.03	0.58	tailings 1
		Count		163	169	71	60	78	135	76	
	8-10"	Index		0.87	0.91	0.38	0.28	0.30	0.53	0.43	buried soil 3
		Count		158	164	70	51	54	96	78	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include stratigraphic reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFK-SO-27, Samplers Rennick, Franklin, Babits, Date/Time 7/16/97

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
300N-~~2~~3 00W	3-6"	Index		0.56	0.56	0.42	0.44	0.46	0.81	0.37	tailings? 1
		Count		89	89	67	70	74	129	59	
	0-3"	Index		0.55	0.59	0.53	0.47	0.29	0.51	0.42	organic zone roots 3
		Count		125	134	120	107	67	116	95	
400N-200W	0-3"	Index		1.09	1.18	0.63	0.50	0.46	0.79	0.62	organic zone roots 3
		Count		209	227	122	97	89	151	119	
	9-12"	Index		0.93	104	0.23	0.22	0.31	0.54	0.36	buried soil 3
		Count		157	176	40	37	53	92	61	
300N-200W		Index		0.76	0.84	0.53	0.48	0.42	0.74	0.50	white precipitate 3 from hummock
		Count		101	112	70	64	56	101	67	
	0-2"	Index		0.68	0.74	0.32	0.30	0.29	0.52	0.31	Organic zone roots 3
		Count		144	156	69	64	61	109	66	
300N-300W	6-8" ~~0-3"~~ no	Index		0.54	0.64	0.29	0.29	0.25	0.47	0.30	~~organic zone~~ buried soil 3
		Count		114	135	61	61	53	98	63	
	0-3"	Index		0.60	0.62	0.29	0.28	0.37	0.67	0.33	organic zone roots 3
		Count		124	129	60	59	77	139	69	
~~300W 200N~~ ~~300N 200W~~	2-4"	Index		0.74	0.80	0.59	0.52	0.52	0.92	0.53	silt loam 3
		Count		92	98	72	64	64	112	65	
100N300W	0-2"	Index		0.75	~~0~~ 0.77	0.57	0.58	0.44	0.78	0.48	organic zone roots 3
		Count		110	MB ~~78~~ 112	83	85	64	114	70	
	2-4"	Index		1.08	1.18	0.81	0.68	0.58	1.00	0.69	tailings? 1
		Count		170	186	128	108	92	158	109	
0N-300W	4-6"	Index		1.05	1.18	0.81	0.72	0.59	1.01	0.74	tailings? 1
		Count		135	152	104	93	76	130	95	
	9-12"	Index		0.72	0.73	0.42	0.37	0.47	0.71	0.40	buried soil 3
		Count		109	110	63	56	61	107	60	
0N-400W	6-7"	Index		1.02	1.07	0.29	0.27	0.38	0.72	0.40	tailings? 1
		Count		135	142	39	36	51	96	54	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-27, Samplers Kenrick Banks Franklin, Date/Time ~~7/15/87~~ 7/16/87 MB

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
400W 100N	10"	Index		0.55	0.55	0.27	0.25	0.34	0.65	0.28	blackpeat 4
		Count		83	83	41	38	52	98	43	
	3-6"	Index		0,92	1.00	0.72	0.65	0.53	0.92	0.69	tailings ? 1
		Count		105	115	83	75	61	106	79	
200N 400W	6-8"	Index		1.21	1.29	0.49	0.44	0.54	0.92	0.55	tailings ? 1
		Count		154	165	63	56	66	117	70	
	0-2"	Index		0.91	0.99	0.58	0.47	0.55	0.95	0.53	root zone 3
		Count		113	123	72	59	69	118	66	
300N-400W	3-6"	Index		0.82	0.78	0.66	0.53	0.61	102	0.57	tailings 1
		Count		87	83	70	57	65	109	61	
400N-400W	2-4"	Index		0.90	0.90	0.75	0.60	0.50	0.86	0.60	tailings ? 1
		Count		118	117	98	78	65	112	79	
500W-400N	0-2"	Index		104	1.09	0.63	0.46	0.45	0.77	0.61	root zone 3
		Count		153	160	93	68	64	113	90	
	4-6"	Index		0.76	0.79	0.51	0.39	0.37	0.63	0.51	loam 3
		Count		146	152	98	76	71	122	99	
300N-500W	4-6"	Index		1.00	1.04	0.95	0.76	0.50	0.92	0.76	loam 3
		Count		126	130	119	96	63	116	96	
500W-200N	3-5"	Index		0.85	0.87	0.33	0.33	0.51	0.86	0.39	tailings 1
		Count		120	123	47	47	73	122	56	
	5-8"	Index		0.80	0.83	~~0.42~~ MB 0.39	0.33	0.28	0.52	0.42	loam below 3 tailings
		Count		145	152	72	61	52	95	77	
500W-100N	2-4 ~~4-6~~"	Index		0.72	0.70	0.75	0.52	0.40	0.72	0.59	tailings? 1
		Count		104	102	108	76	58	105	86	
	8-10"	Index		0,56	0.58	0.24	0.22	0.31	0.61	0.27	loam 3
		Count		77	80	33	31	43	84	38	
	0-2"	Index		0.69	0.70	0.44	0.42	0.37	0.68	0.41	organic zone roots 3
		Count		110	112	70	67	59	108	66	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-27, Samplers Babits, Rennick, Franklin, Date/Time 7/16/84

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
500W ON	4-5"	Index		0.79	0.81	0.70	0.66	0.48	0.80	0.61	tailings ? 1
		Count		121	125	108	101	74	123	94	
600W ON	2-4"	Index		1.00	0.98	1.13	0.95	0.57	0.93	0.89	tailings ? 1
		Count		115	113	131	110	66	108	103	
	5-7"	Index		0.77	0.74	0.28	0.21	0.36	0.69	0.35	silt loam 3
		Count		102	98	37	28	48	91	46	below (tailings
600W-100N	2-4"	Index		0.60	0.67	0.55	0.44	0.38	0.72	0.48	silt loam 3
		Count		93	104	85	68	60	112	75	
600W-200N	1-3"	Index		0.68	~~0.67~~ MP 0.67	0.35	0.31	0.39	0.70	0.40	~~silt~~ MP roots 3
		Count		96	95	49	44	55	99	56	organic 70
300N-600W	2-4	Index		0.79	0.86	0.77	0.64	0.49	0.84	0.71	tailings ? 1
		Count		111	120	108	89	69	120	99	
	7-9"	Index		0.80	0.85	0.23	0.19	0.31	0.60	0.34	silt loam 3
		Count		122	129	35	30	47	91	52	
600W-400N	2-4"	Index		0.89	0.90	0.78	0.69	0.53	0.95	0.64	tailings ? 1
		Count		107	109	94	83	64	114	77	
	4-8"	Index		0.64	0.69	0.29	0.28	0.29	0.53	0.32	peat 4
		Count		118	129	54	53	55	99	60	
	10-12"	Index		0.79	0.82	0.23	0.21	0.37	0.71	0.31	sand 3
		Count		109	113	32	29	51	98	43	
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form
Site I.D. CFR-50-27, Samplers Kennedy, Roberts, Franklin Grant July 17, Date/Time 1987 17:23

Page ____ of ____

Station Location[1]	Depth		Time 100 sec Counts	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
01 200N-200W	3-5	Index Count	17:23	1.06 472	1.10 488	0.84 376	0.68 305	0.51 230	0.89 397	0.73 327	BG 1 8-61055
02 0N-50E	1"-4"	Index Count	17:33	0.72 367	0.70 358	0.59 304	0.46 238	0.38 194	0.68 348	0.51 263	BG 2 8-61058
03 200N-200W	8"-10"	Index Count	17:35	1.07 574	1.04 560	0.22 118	0.20 111	0.29 160	0.55 297	0.31 169	BG 3 8-61054
04 200N-50E	0"-2"	Index Count	17:40	0.58 409	0.54 378	0.28 201	0.25 178	0.31 217	0.55 386	0.29 203	BG 54 8-61060
05 300N-300W	6"-8"	Index Count	17:43	1.46 684	1.35 632	0.30 145	0.28 133	0.32 150	0.61 290	0.38 178	8-61055
06 400N-600W	4"-8"	Index Count	17:52	1.01 470	0.91 424	0.32 150	0.29 138	0.35 164	0.67 315	0.36 171	8-61056
09 400N-600W	4"-8"	Index Count	17:54	0.91 475	0.82 428	0.42 219	0.36 189	0.36 191	0.67 349	0.44 232	Rep 8-61057
08 300N-200W	3"-6"	Index Count	17:58	0.61 409	0.56 376	0.43 287	0.35 238	0.36 245	0.69 460	0.41 276	8-61058
07 300N-600W	7"-9"	Index Count	18:04	1.48 591	1.30 521	0.26 107	0.25 102	0.38 152	0.72 288	0.37 150	8-61059
10 300N-500W	4"-6"	Index Count	18:09	1.05 466	0.93 413	0.46 204	0.42 187	0.39 172	0.70 312	0.43 192	8-61060
11 100N-400W	3"-6"	Index Count	18:20	1.12 543	1.05 512	0.71 348	0.50 243	0.43 212	0.78 378	0.75 363	8-61064
12 100N-500W	2"-4"	Index Count	18:25	0.92 417	0.86 390	0.89 401	0.64 290	0.49 221	0.84 382	0.78 354	8-61065
13 0N-600W	2"-4"	Index Count	18:35	0.94 458	0.95 433	0.83 393	0.60 291	0.48 222	0.82 379	0.77 359	8-61066
14 400N-100W	0"-3"	Index Count	18:38	0.78 423	0.72 393	0.58 318	0.45 248	0.42 228	0.75 410	0.54 293	8-61067

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include station reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-27, Samplers Resnick, Babit, Franklin, Grant, Date/Time July 17 1987 13:46

Station Location[1]	Depth		Time	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
400N-100W	5"-7"	Index	18:46	0.77	0.68	0.26	0.25	0.33	0.63	0.31	
		Count		364	318	124	117	158	295	145	8-61068 4
300N-100W	2"-4"	Index	19:00	1.36	1.22	0.66	0.47	0.46	0.82	0.71	
		Count		606	543	294	212	204	365	316	8-61069 1
ON-100W	3"-6"	Index	19:06	1.32	1.15	0.27	0.25	0.35	0.67	0.35	
		Count		556	483	115	109	150	282	149	8-61070 3
ON-100W	0"-3"	Index	19:10	1.17	1.05	0.90	0.69	0.53	0.92	0.82	
		Count		422	376	325	248	193	332	294	8-61071 3
100N-300W	2"-4"	Index	19:22	1.40	1,26	0.96	0.75	0.59	0.98	0.99	
		Count		564	508	387	302	239	396	361	8-61072 3
100N-300W	0'-2"	Index	19:24	0,86	0.76	0.63	0.54	0.35	0.62	0.53	
		Count		455	405	335	286	195	330	281	8-61073 3
100N-50E	2"-4"	Index	19:28	1,10	0.96	0,34	0,31	0.36	0,70	0,37	
		Count		462	407	145	131	155	295	156	8-61074 3
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-28, Samplers Babits, Resnick, Franklin, Grant, Date/Time 7/17/87 0805

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				----------Spectral Peak Area----------							
SS04 6/25/86		Index Count		0.40 68	0.52 88	0.22 37	0.18 31	0.30 52	0.57 96	0.25 42	calibration standard
0N 0E	2-4"	Index Count		0.30 53	0.34 ~~0.33~~ MB ~~41~~ 68	0.19 33	0.18 31	0.30 52	0.57 98	0.23 41	
J 0N 0E	~~2-4" MB~~ 2-4"	Index Count		0.34 61	0.38 68	0.17 31	0.17 30	0.27 48	0.52 91	0.21 38	REPLICATE OF ABOVE
J 0S 100E	2-4"	Index Count		0.36 55	0.47 72	0.23 35	0.22 34	0.30 46	0.57 87	0.29 45	
J 100S 100E	2-4"	Index Count		0.29 50	0.38 66	0.19 33	0.16 28	0.28 49	0.55 95	0.22 39	
J 200S 100E	4-6"	Index Count		0.27 41	0.36 55	0.18 28	0.18 28	0.30 46	0.60 90	0.21 32	
	2-4" MB	Index Count		0.42 21	0.50 25					0.24 12	
J	2-4"	Index Count		0.40 65	0.43 70	0.20 33	0.18 30	0.30 49	0.54 87	0.23 38	
J 100 S 200E	2-4"	Index Count		0.34 50	0.38 56	0.22 32	0.20 29	0.35 51	0.68 99	0.23 34	
J 0S 200E	4-6"	Index Count		0.43 65	0.50 74	0.24 36	0.27 40	0.32 48	0.59 88	0.26 39	silt loam to light grey mixed in 3
J 0S 200E	2-4"	Index Count		0.53 69	0.62 80	0.28 37	0.28 36	0.37 48	0.70 90	0.32 42	
J 300S 100E	2-4"	Index Count		0.40 62	0.44 68	0.23 35	0.23 35	0.35 54	0.64 98	0.26 40	
J 100S 200E	4-6"	Index Count		0.39 52	0.42 56	0.20 27	0.21 29	0.36 48	0.65 86	0.23 31	light brown silt loam 3
J 200S 200E	2-4"	Index Count		0.32 50	0.37 57	0.18 29	0.16 26	0.32 50	0.63 97	0.20 32	dk. brn. 3

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-28, Samplers Bubits, Rennick, Franklin, Grant, Date/Time 7/17/87

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
400S 0E	4-6"	Index		0.52	0.62	0.21	0.20	0.30	0.51	0.28	dk. brn.
		Count		79	94	33	31	46	87	43	
500S 100E	2-4"	Index		0.32	0.37	0.21	0.18	0.34	0.62	0.21	dk. brn.
		Count		53	60	35	30	56	100	34	
580S 0E	4-6"	Index		0.33	0.37	0.23	0.22	0.29	0.56	0.22	dk. brn. many fine roots
		Count		57	63	39	37	49	95	37	
500S 0E	2-4"	Index		0.66	0.78	0.37	0.36	0.51	0.89	0.35	tailings? 1
		Count		91	108	51	50	70	122	48	
400S 100E	2-4"	Index		0.41	0.50	0.27	0.27	0.34	0.62	0.28	brn. soil
		Count		70	85	47	46	59	107	49	
300S 0E	2-4"	Index		0.52	0.62	0.19	0.18	0.31	0.54	0.27	brn. soil
		Count		81	96	30	28	48	92	42	
200S 0E	2-4"	Index		0.40	0.45	0.20	0.18	0.31	0.57	0.23	dk. brn.
		Count		69	77	34	31	54	98	39	
200S 0E	4-6"	Index		0.36	0.34	0.19	0.19	0.34	0.65	0.21	light brn. 3 CA peak is higher than FO peak at this site
		Count		51	49	28	28	49	93	30	
100S 0W	2-4	Index		0.39	0.42	0.21	0.21	0.29	0.53	0.23	
		Count		95	81	41	40	55	101	45	
400S 0E	0-2"	Index		0.70	0.80	0.49	0.49	0.47	0.81	0.44	roots w/ tails 2
		Count		105	121	74	74	71	122	67	
400S 0E	2-4"	Index		0.49	0.58	0.24	0.22	0.32	0.57	0.26	roots 3
		Count		74	93	39	36	52	92	42	
MB 100S 300E	2-4"	Index		0.39	0.43	0.24	0.22	0.33	0.61	0.24	
		Count		65	73	41	37	56	102	41	
100S 300E	6-8"	Index		0.38	0.44	0.19	0.20	0.32	0.63	0.25	CA 0.6797 grey 3
		Count		55	64	28	29	46	91	36	
MB 105 100S 300E	6-8"	Index		0.46	0.54	0.31	0.23	0.30	0.55	0.30	brown w/ roots 3
		Count		78	91	53	40	52	94	51	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

XRF Field Data Form

Site I.D. CFR-SO-28, Samplers Bonnie Rumbo Franklin, Grant, Date/Time 7/17/87/

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				---------- Spectral Peak Area ----------							
MB ? 0 100S 300E	2-4"	Index		0.61	0.69	0.46	0.46	0.41	0.75	0.37	tailings ?
		Count		93	106	70	70	63	115	57	grey/yellow w/ rust
100S 500E	2-4"	Index		0.48	0.55	0.28	0.25	0.34	0.63	0.27	
		Count		71	81	42	37	51	93	40	
200S 500E	2-4"	Index		0.46	0.54	0.28	0.28	0.36	0.69	0.29	
		Count		74	86	45	45	58	110	47	
100S 500E	2-4"	Index		0.45	0.47	0.21	0.19	0.32	0.61	0.23	? MB
MB 100S 500E	2-4	Count		69	72	33	29	49	93	36	
MB 300S 400E	2-4	Index		0.41	0.47	0.23	0.20	0.33	0.66	0.25	dk. brn.
		Count		62	71	35	30	50	99	38	
200S 500E	6-8	Index		0.43	0.46	0.24 .20	0.17	0.33	0.65	0.20 .24	lt. brn to grey 3
		Count		61	65	MB 34 20	25	47	91	MB 28 34	
400S 500E	2-4"	Index		0.34	0.40	0.18	0.19	0.32	0.65	0.24	dk. brn. 3
		Count		55	65	30	31	52	104	39	loam
MB 400S 100S 500E	4-6"	Index		0.54	0.58	0.21	0.20	0.38	0.74	0.25	lt. brn 3
		Count		70	76	28	27	50	96	33	loam
500S 500E	2-4	Index		0.35	0.38	0.18	0.18	0.32	0.62	0.20	dk brn loam 3
		Count		52	57	28	28	48	93	30	w/ white nodules
500S 400E	2-4	Index		0.39	0.46	0.22	0.21	0.36	0.67	0.24	dk brn loam 3
		Count		61	72	35	33	56	104	37	few white specks
	6-8"	Index		0.34	0.38	0.17	0.19	0.37	0.68	0.21	greyish to 3
		Count		49	54	25	28	53	97	31	lt. brn.
400S 400E	2-4	Index		0.41	0.42	0.21	0.20	0.34	0.65	0.20	med. brown 3
		Count		60	62	31	29	50	95	30	w/ white nodules
MB ? 300S 400E	2-4	Index		0.36	0.38	0.19	0.18	0.33	0.64	0.21	
		Count		51	53	27	25	46	89	29	
100S 400E	2-4	Index		0.44	0.54	0.24	0.23	0.32	0.61	0.28	
		Count		73	90	44	39	53	101	40	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

XRF Field Data Form

Site I.D. CFR-SO-28, Samplers Rennick, Franklin, Grant, Bolt, Date/Time 7/11/87 /

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
200S 400E	2-4"	Index Count		0.52 82	0.59 93	0.32 51	0.30 47	0.35 55	0.66 104	0.32 51	
200S400E	4-6"	Index Count		0.39 62	0.39 62	0.19 31	MB ~~0.20~~ 0.19 31	0.32 51	0.61 96	0.21 33	brown w/ gray mottling 3
100S 400E	8-10"	Index Count		0.41 60	0.46 68	0.22 32	0.20 29	0.33 49	0.64 94	0.22 33	brown w/ gray mottling. 3
500S 200E	2-4"	Index Count		0.36 60	0.40 66	0.23 39	0.21 35	0.33 54	0.58 95	0.24 40	
400S 300E	2-4"	Index Count		0.38 57	0.35 53	0.19 29	0.18 27	0.32 49	0.64 96	0.20 30	
300S 300E	6-8"	Index Count		0.40 58	0.44 63	0.20 29	0.19 27	0.35 50	0.66 95	0.22 32	greyish 3
300S 200E	6-8	Index Count		0.40 59	0.43 64	0.19 28	0.18 27	0.31 46	0.61 91	0.23 34	greyish 3
500S 300E	2-4	Index Count		0.33 53	0.32 51	0.19 30	0.18 29	0.30 48	0.57 89	0.21 33	
200S 300E	2-4	Index Count		0.51 95	0.60 111	0.38 71	0.32 59	0.29 55	0.55 102	0.33 61	dk. brown lots of OM few white nodules 3
400S 200E	2-4	Index Count		0.36 61	0.42 71	0.24 41	0.20 35	0.28 48	0.56 94	0.24 41	dk brown 3
~~500S 300E~~ 300S 200E	~~2-4~~ MB 2-4"	Index Count		0.41 64	0.48 75	0.23 37	0.23 36	0.32 50	0.58 91	0.25 39	
300S 300E	2-4"	Index Count		0.55 98	0.64 114	0.34 61	0.30 55	0.35 63	0.61 109	0.30 55	
200S-300E	8-10"	Index Count		0.40 57	0.49 69	0.22 31	0.19 29	0.32 45	0.60 84	0.24 34	greyish w/ roots 3
500S-200E	8-10"	Index Count		0.32 52	0.33 54	0.18 30	0.17 28	0.27 44	0.55 89	0.18 30	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-28, Samplers Balitz Rennick Franklin, Grant, Date/Time 7/17/87

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			----------Spectral Peak Area----------								
10S300E	2-4	Index Count		0.48 66	0.53 73	0.32 45	0.32 45	0.37 51	0.67 92	0.32 44	greyish tailings ?
100S300E	2-4	Index Count		0.42 72	0.46 80	0.31 54	0.27 47	0.32 56	0.57 99	0.28 49	
300S400E	2-4	Index Count		0.37 55	0.38 56	0.19 29	0.17 26	0.32 48	0.61 90	0.22 33	
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Com[illegible]s s[illegible]d i[illegible]de [illegible]tati[illegible]efe[illegible]e.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — Page 1 of 1

Site I.D. CFR-SO-28, Samplers J. Franklin M. Babb + B. Grant, B. Renwick, Date/Time July 17 1987 / 14:00

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
			100 Second Counts	Spectral Peak Area							
100S-500E	2"-4"	Index Count		0.54 248	0.57 260	0.28 128	0.26 120	0.36 167	0.69 318	0.28 131	B-401 91
100S-500E	2"-4"	Index Count		0.56 241	0.58 248	0.31 136	0.26 114	0.38 163	0.72 307	0.30 131	B-401 EE
400S-200E	2"-4"	Index Count		0.46 249	0.46 251	0.27 149	0.24 132	0.31 171	0.59 318	0.27 146	B-401 93[3]
400S-0E	0"-2"	Index Count		0.78 394	0.77 389	0.59 290	0.51 256	0.46 230	0.81 407	0.49 246	B-401 94[2]
#G 7-17-87 OE 500S ~~100W~~	2"-4"	Index Count		0.~~6~~9 448	0.71 458	0.45 291	0.40 264	0.38 246	0.68 441	0.40 263	B-401 95[3]
500S-300E	2"-4"	Index Count		0.40 194	0.39 192	0.22 111	0.22 107	0.34 167	0.64 314	0.23 116	B-401 96 (BR)
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-30, Samplers B. Grant DCO, J. Franklin, M. Bebit, Date/Time July 15 1987 12:25

Spectral Peak Area — 30 second counts.

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
OS-400W	0"-1"	Index		0.56	0.52	0.33	0.31	0.27	0.50	0.31	sat. organics 4
		Count		119	110	70	66	58	106	67	
OS-400W	4"-6"	Index		1.12	1.04	0.47	0.41	0.37	0.60	0.48	some tails mostly dk. grey organics 2
		Count		197	183	83	73	65	106	84	
OS-300W	0"-3"	Index		1.29	1.16	0.68	0.51	0.40	0.69	0.63	organics 4
		Count		209	187	111	83	65	112	103	
OS-300W	3"-5"	Index		0.96	0.85	0.77	0.62	0.47	0.83	0.70	Tailings 1
		Count		113	100	91	73	56	98	82	
OS-200W	5"-7"	Index		1.59	1.36	0.43	0.38	0.42	0.77	0.46	buried soil 3
		Count		156	134	43	38	42	76	46	
OS-200W	3"-5"	Index		1.44	1.14 ~~0.56~~ 1.36	0.56	0.49	0.54	0.92	0.56	Tailings 1
		Count		147	109 58 1-15-87	58	50	56	94	58	
OS-200W	0"-3"	Index		1.37	1.17	0.67	0.50	0.50	0.89	0.69	soil 3
		Count		149	127	73	55	55	97	75	
OS-100W	3"-5"	Index		2.08	1.70	0.89	0.54	0.44	0.86	1.03	buried soil 3
		Count		198	162	85	52	42	82	98	
OS-100W	0"-1"	Index		1.60	1.21	0.69	0.60	0.60	1.11	0.74	organics 4
		Count		160	121	69	60	60	111	74	
OS-0W	0"-2"	Index		2.62	1.98	1.00	0.73	0.71	1.21	1.12	soil 3
		Count		228	173	87	64	62	106	98	
OS-0W	5"-7"	Index		2.17	1.63	0.39	0.40	0.52	0.96	0.45	soil 3
		Count		178	134	32	33	43	79	37	
100S-0W	2.5-5"	Index		2.42	1.90	1.28	0.81	0.52	1.05	1.48	soil 3
		Count		170	133	90	57	37	74	104	
100S-0W	0"-1"	Index		1.75	1.32	0.86	0.62	0.54	1.17	0.98	soil 3
		Count		139	105	68	49	44	93	78	
100S-0W	10"-15"	Index		2.01	1.48	0.38	0.40	0.53	1.00	0.41	loam 3
		Count		151	111	29	30	40	75	31	

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.

2 C[illegible]nts [illegible]uld [illegible]ude [illegible]eta [illegible]re[illegible]nce.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B. Grant ACO —

Site I.D. CFR-SO-30, Samplers J. Franklin, M. Babcock, Date/Time July 15 1987 / 13:15

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]	
				Spectral Peak Area								
100S-100W	6"-8"	Index		2.70	2.40	0.97	0.75	0.82	1.39	1.09	silt loam	3
		Count		222	168	80	62	68	114	90		
100S-100W	2"-6"	Index		2.39	1.71	0.78	0.78	0.81	1.36	0.79	Lt. buff tailings w/ rocks	2
		Count		177	127	58	58	60	101	59		
100S-100W	0"-2"	Index		2.39	1.69	0.89	0.74	0.67	1.13	0.74	soil	3
		Count		189	134	71	59	53	90	75		
100S-200W	3"-5"	Index		2.47	1.80	0.97	0.66	0.58	1.12	1.12	soil, buried	3
		Count		178	130	70	48	42	81	81		
100S-200W	1"-3"	Index		1.84	1.37	0.76	0.70	0.72	1.29	0.73	tails	1
		Count		133	99	55	51	52	93	53		
100S-200W	0"-1"	Index		2.33	1.64	0.94	0.71	0.64	1.21	0.98	soil	3
		Count		166	117	67	51	46	86	70		
100S-300W	BG 7-15-87 ~~0"-2"~~ 4"-6"	Index		2.14	1.46	1.52	1.12	0.53	1.08	1.45	BG 7-15-87 ~~tails~~ soil	3
		Count		261	110	114	84	40	81	109		
100S-300W	2"-4"	Index		1.57	1.12	0.62	0.57	0.60	1.04	0.69	tails	1
		Count		131	93	52	48	50	87	58		
100S-300W	BG 7-15-87 ~~4"-6"~~ 0"-2"	Index		1.64	1.30	1.19	0.85	0.67	1.17	1.48	soil	3
		Count		112	89	81	58	46	80	101		
100S-400W	6"-8"	Index		2.70	1.78	1.60	1.12	0.79	1.57	1.89	soil w/ gravel	5
		Count		173	114	103	72	51	88	121		
100S-400W	4"-6"	Index		1.64	1.10	0.70	0.69	0.69	1.20	0.71	orange tails	1
		Count		138	93	59	59	59	101	60		
100S-400W	2"-4"	Index		1.48	1.04	0.67	0.69	0.67	1.20	0.73	leached zone	3
		Count		101	71	46	47	46	82	50		
100S-400W	0"-2"	Index		1.60	1.13	0.90	0.72	0.67	1.11	0.97	soil	3
		Count		130	92	73	59	55	90	79		
200S-400W		Index										
		Count										

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form — B-Grant DCO — July 15 —

Site I.D. CFR-SO -30, Samplers S. Franklin, M. Babit, Date/Time 1987/14:05

Station Location[1]	Depth		S	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
200S-400W	8"-10"	Index		0.76	0.86	~~0.33 MB~~ 0.23 MB	0.20	0.27	0.53	0.33	silt loam 3
		Count		138	156	~~100~~ 43	38	49	96	60	
"	2"-8"	Index		0.96	1.01	0.80	0.84	0.47	0.80	0.66	Tails 1
		Count		125	132	104	110	62	105	86	
	0-2"	Index		0.58	0.65	0.39	0.38	0.27	0.51	0.33	surface organics 4
		Count		121	136	82	80	56	106	70	
200S-300W	4-6"	Index		1.04	1.07	0.59	0.50	0.45	0.81	0.62	silt loam 3
		Count		115	118	65	55	50	90	69	
	0-2	Index		0.66	0.75	0.32	0.32	0.41	0.73	0.35	surface organics 4
		Count		91	103	45	45	57	101	48	
		Index		0.22	0.22	0.20	0.20	0.29	0.52	0.17	Plant sample 4 OFF Bare tailing site
200 SE		Count		34	33	30	30	44	78	24	
200S-200W	4-6"	Index		1.06	1.18	0.71	0.61	0.74	0.71	0.56	silt loam 3
		Count		129	143	86	75	49	86	68	
	2-4"	Index		0.93	1.01	0.45	0.40	0.57	0.96	0.44	TAILS 1
		Count		128	139	62	56	71	118	61	
200S-100W	0-2"	Index		1.11	1.24	0.54	0.47	0.47	0.79	0.54	root zone 3
		Count		148	165	72	63	63	106	73	
	6-10"	Index		0.98	0.99	0.27	0.24	0.42	0.79	0.40	silt loam 3
		Count		103	104	29	26	45	83	43	
200S-0W	0-2"	Index		1.34	1.47	0.55	0.44	0.53	0.92	0.59	root zone 3
		Count		171	187	71	56	68	117	76	
	2-4"	Index		1.08	1.20	0.69	0.60	0.39	0.72	0.56	silt loam 3
		Count		144	160	93	80	53	97	75	
100E-200S	0-2"	Index		1.52	1.61	0.80	0.81	1.00	1.68	0.76	tailings 1
		Count		156	165	82	83	103	172	78	
100E-200S	4-6"	Index		1.08	1.14	0.67	0.52	0.32	0.60	0.62	soil 3
		Count		152	160	94	93	45	85	88	

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include correlation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-30, Samplers BABITS DELLHOFF FRANKLIN, Date/Time 7/15/87

Station Location[1]	Depth		Time	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
300S-0W	0-2"	Index		1.13	1.15	0.45	0.38	0.45	0.85	0.51	root zone 3
		Count		153	156	62	52	62	115	69	
	2-4"	Index		1.17	~~0.65~~ 1.24 MB	0.61	0.51	0.36	0.65	0.65	silt loam 3
		Count		179	~~49~~ 189	94	79	56	100	99	
300S-100W	0-2"	Index		1.12	1.15	0.59	0.40	0.38	0.72	0.65	root zone 3
		Count		154	158	81	56	53	99	90	
	4-6"	Index		1.18	1.28	0.28	0.25	0.35	0.70	0.34	soil below tails 3
		Count		157	169	38	34	47	93	46	
300S-200W	1-3	Index		1.07	1.11	0.88	0.74	0.54	0.92	0.72	tailings 1
		Count		120	125	99	83	61	104	81	
	10-15"	Index		0.99	~~0.36~~ 0.99 MB	0.26	0.24	0.41	0.74	0.34	soil below tailings 3
		Count		115	42 115	31	28	48	86	42	
400S-300W	4-6"	Index		0.82	0.85	0.71	0.56	0.39	0.68	0.58	tailings 1
		Count		143	148	124	98	68	120	102	
	14-20"	Index		1.07	1.08	0.87	0.73	0.51	0.95	0.74	soil below tailings 3
		Count		138	139	112	94	66	122	95	
300S-400W	0-4"	Index		0.83	0.90	0.43	0.38	0.36	0.65	0.42	root zone 3
		Count		154	167	81	72	67	121	78	
	9"-11"	Index		~~0.84~~ 0.98 MB	1.00	0.65	0.53	0.39	0.74	0.65	3
		Count		149	151	99	81	60	112	99	
400S-400W	0-4"	Index		0.73	0.73	0.44	0.44	0.33	0.54	0.40	organic 4
		Count		68	68	41	41	31	51	38	
	6-8"	Index		0.52	0.50	0.35	0.34	0.37	0.70	0.31	tails 1
		Count		91	87	61	59	65	122	55	
400S-300W	2-4"	Index	16:21	0.95	0.95	0.55	0.51	0.43	0.74	0.49	lt brown 3
		Count		134	133	77	72	61	104	69	
	4-6"	Index	16:15	~~0.87~~ BR 0.89	0.98	0.27	0.24	0.40	0.76	0.31	dk brown 3
		Count		121	133	37	33	55	103	43	

battery change starting here

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50 - 30, Samplers Rennick, Babcock, Franklin, Date/Time July 15 1987 / 16:22

Station Location[1]	Depth		Time	Spectral Peak Area Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
400S-200W	0-2	Index	16:35	1.27	1.30	0.69	0.66	0.46	0.84	0.65	see page 49
		Count		144	147	79	75	52	96	74	roots 3
"	2-3	Index	16:30	1.54	1.25	0.60	0.48	0.52	0.91	0.61	" " "
		Count		141	154	75	60	65	113	76	BR dk br. fine 1
"	3-6	Index	16:25	1.10	1.18	0.33	0.35	0.38	0.70	0.39	" " "
		Count		145	155	44	46	51	93	52	dk br. loam 3
400S-100W	0-2	Index	16:36	1.14	1.19	0.58	0.48	0.42	0.72	0.58	
		Count		159	166	81	68	59	101	82	roots 3
400S-0 W	2-2.5	Index	16:39	1.28	1.35	0.75	0.52	0.41	0.72	0.71	
		Count		180	189	105	73	58	101	100	fine 1
"	2.5-4	Index	16:42	1.14	1.25	0.38	0.32	0.33	0.67	0.45	
		Count		157	172	53	45	46	92	62	1
500S-50E	~~0-2~~	Index	~~16:48~~ BR								~~roots~~
		Count									
"	2-4	Index	16:46	0.62	0.67	0.28	0.27	0.42	0.72	0.32	
		Count		90	97	41	39	61	104	46	fine 1
"	4-6	Index	16:48	1.36	1.38	0.43	0.46	0.64	1.02	0.46	
		Count		175	177	56	60	83	131	59	fine w/ sand
500S-0W	0-2	Index	16:51	1.10	1.12	~~0.52~~ 0.49 BR	0.42	0.44	0.77	0.49	
		Count		154	158	73 ~~64~~	60	62	108	69	roots 3
* BR ~~500S-100W~~ "	4-6	Index	16:54	1.12	1.23	0.69	0.52	0.42	0.74	0.71	5
		Count		142	155	89	66	54	94	90	gravel/sand
500S-100W	4-6	Index	17:02	1.15	1.17	0.96	0.68	0.43	0.77	0.84	
		Count		137	140	115	82	52	92	100	
"	2-4	Index	16:59	1.27	1.37	0.43	0.37	0.46	0.81	0.46	
		Count		168	182	58	50	62	107	62	fine 1
~~500S-200W~~		Index									
		Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include [illegible] reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form
Site I.D. CFR-50-30, Samplers Rennick, Babcock, Fraser, July 15, 1987 Date/Time 17:03

Station Location[1]	Depth		Time	Mn (Spectral Peak Area)	Fe (Spectral Peak Area)	Cu (Spectral Peak Area)	Zn (Spectral Peak Area)	As (Spectral Peak Area)	Pb (Spectral Peak Area)	Ni (Spectral Peak Area)	Comments[1]
500S-200W	4-6"	Index	17:05	1.11	1.27	0.54	0.42	0.48	0.85	0.55	see pg 49 tails 1
		Count		149	171	73	57	45	115	75	
500S-300W	5-7"	Index	17:09	1.15	1.28	1.13	0.87	0.50	0.85	1.00	" " " 3
		Count		153	170	150	116	47	113	133	loam
"	3-5"	Index	17:11	1.07	1.18	0.52	0.45	0.46	0.81	0.50	" " " 2
		Count		136	150	67	58	59	104	64	tails w/soil
500S-400W	5-6"	Index	17:14	0.72	0.76	0.47	0.45	0.40	0.68	0.38	" " " 2
		Count		112	118	73	70	62	105	59	tails w soil
"	0-2"	Index	17:15	0.74	0.76	0.39	0.39	0.30	0.54	0.37	" " " 4
		Count		146	150	77	77	60	106	74	organic
500S-500W	6-8"	Index	17:17	0.84	0.97	0.28	0.24	0.34	0.67	0.34	w/soil 2
		Count		124	142	41	36	51	98	51	(B) gray tails
"	4-6"	Index	17:19	0.65	0.74	0.70	0.54	0.50	0.85	0.61	gray 1
		Count		77	87	82	64	59	100	72	(A) buff tails
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include vegetation reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-50-30, Samplers Rennick, Babitt, Franklin, Date/Time July 16 1987 / 8:01

Station Location[1]	Depth		Time	Spectral Peak Area: Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
01 1005-400W	6-8	Index Count	8:09	0.76 373	1.10 538	0.73 357	0.67 330	0.43 212	0.75 369	0.62 307	8-61025 5
02 1005-300W	4-6	Index Count	8:13	0.68 346	0.94 481	0.39 199	0.39 201	0.35 181	0.65 331	0.42 217	8-61026 3
03 05-100W	3-5	Index Count	8:25	0.90 434	1.24 596	0.55 245	0.51 247	0.40 193	0.70 337	0.58 281	8-610 27 3
04 05-100W	0-2	Index Count	8:35	0.97 480	1.45 716	0.58 287	0.52 260	0.51 251	0.88 436	0.66 329	8-610 28 3
11 05	5-7	Index Count	8:38	0.87 414	1.22 581	0.26 125	0.22 109	0.35 169	0.66 313	0.45 214	8-610 29 3
06 2005-100E	0-2	Index Count	8:55	1.19 512	1.58 680	0.79 340	0.75 325	0.80 346	1.35 584	0.74 321	8-610 30 1
11 07	0-2	Index Count	9:02	1.27 559	1.64 721	0.91 401	0.87 386	0.79 348	1.34 590	0.80 352	8-610 31 replicate 1
08 2005-100W	6-10	Index Count	9:10	0.80 404	1.08 549	0.25 128	0.24 125	0.33 167	0.62 314	0.40 206	8-610 32 3
09 3005-200W	1-3	Index Count	9:22	0.61 326	0.84 448	0.53 281	0.55 294	0.43 229	0.74 394	0.46 246	8-610 33 1
10 11	10-15	Index Count	9:24	0.65 340	0.87 453	0.21 110	0.18 96	0.32 171	0.62 324	0.34 178	8-61034 3
11 3005-0W	0-2	Index Count	9:47	0.86 435	1.16 588	0.39 201	0.37 188	0.43 220	0.77 388	0.48 246	8-61035 3
15 5005-50E	4-6	Index Count	10:04	0.80 395	1.15 531	0.36 166	0.32 151	0.49 228	0.88 404	0.46 214	8-610 OR 39 1
16 5005-100W	4-4	Index Count	10:13	0.88 422	1.15 549	0.56 267	0.56 270	0.46 219	0.80 384	0.58 277	8-61040 1
		Index Count									

[1] Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
[2] Comments should include [illegible] reference.

CLARK FORK RIVER SCREENING STUDY

XRF Field Data Form

Site I.D. CFR-SO-30, Samplers Dennis, Babits, Franklin, Date/Time July 1987 / 10:20

Station Location[1]	Depth		Time	Mn	Fe	Cu	Zn	As	Pb	Ni	Comments[1]
				Spectral Peak Area							
500S-300W 17	3-5	Index Count	10:28	0.76 370	0.92 444	0.59 288	0.56 270	0.49 236	0.81 393	0.52 253	8-61041 3
500S-300W 18	5-7	Index Count	10:34	1.11 510	1.33 612	0.93 426	0.87 399	0.52 238	0.88 403	0.78 359	8-61042 3
500S-500W 19	4-6	Index Count	10:45	0.84 429	1.01 516	0.59 303	0.54 279	0.41 212	0.74 ~~0.81~~ BR 377 ~~393~~	0.56 287	8-61043 2
400S-300W 20	4-6 ~~0-4~~ BR	Index Count	10:58	0.80 417	0.96 498	0.56 293	0.51 268	0.44 233	0.78 408	0.52 271	8-61044 3
300S-400W 21	9-11	Index Count	11:15	0.89 416	0.98 460	0.27 127	0.24 116	0.35 167	0.64 302	0.35 166	8-61045 3
200S-400W 22	0-2	Index Count	11:30	0.53 392	0.58 428	0.44 326	0.44 324	0.31 228	0.55 404	0.36 263	8-61046 3
" 23	2-8	Index Count	11:36	0.60 351	0.65 379	0.49 286	0.44 259	0.37 219	0.70 405	0.42 249	8-61047 1
" 24	8-10	Index Count	11:42	0.89 531	1.00 592	0.24 143	0.21 129	0.28 170	0.55 329	0.32 191	8-61048 3
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									
		Index Count									

1 Station Location is a four digit code: Digits 1 and 2 identify the site, digits 3 and 4 identify XRF sample location.
2 Comments should include vegetation reference.

APPENDIX K

DATA VALIDATION

INTRODUCTION

This section describes contract compliance, data validation and reduction, and presents quality assurance statements for data collection activities associated with the Clark Fork River Screening Study. Environmental samples collected during this investigation included groundwater and soils/mine wastes. Field procedures used during the various investigations and guidelines followed in maintaining quality assurance and quality control during the course of the remedial investigation are described in the project field operations plans (CH2M HILL, 1987c, 1987d).

Environmental samples collected during this study were analyzed by contract laboratory program (CLP) laboratories using methods described in the project laboratory analytical protocol plan (CH2M HILL, 1987f). Both routine analytical services and special analytical services were performed.

CONTRACT COMPLIANCE SCREENING

Contract compliance screening (CCS) represented the first level of data validation and reduction during the project and was performed for inorganic analyses only. This screening is stipulated by EPA and its purpose is evaluate whether contract performance requirements were met by the CLP laboratory in analyzing the submitted samples.

The CCS process involves review and evaluation of each RAS data package received from the CLP laboratories by the Sample Management Office (SMO). Specific guidelines are incorporated into an automated computer system. Computer software, as well as contract screening forms, are utilized to complete the screening. Required guidelines have been established by EPA Region VIII.

The major evaluatory parameters used to review data review evaluate contract compliance included the following:

- Sample holding times

- ♦ Instrument calibration
- ♦ Calibration and preparation of blanks
- ♦ Instrument interferences
- ♦ Laboratory control samples
- ♦ Specific sample results including:
  - Laboratory duplicate sample analysis
  - Spiked sample results and graphite furnace atomic absorption QC analyses
  - Field and other QC sample results

Post-review comments and findings were sent to the USEPA in the Regional Response to Results of Contract Compliance Screening, a document stating analytical difficulties and/or complications in contractual compliance. The Deputy Project Officer for EPA Region VIII handles the resolution of conflicts regarding contract compliance directly with the contract laboratory. Through this process, the laboratories are required by the USEPA to resubmit and re-analyze samples which do not meet terms of the initial contract. Any action addressed by the laboratories is presented in a follow-up document called Laboratory Response to Results of Contract Compliance Screening, stating what action was performed in response to the initial CCS comment.

In general, resolution of problems associated with data generated during the Clark Fork River Screening Study was straightforward. Analytical values resulting from resubmittal of certain samples for laboratory analysis were updated in the project database as they were received from USEPA and were then filed in the administrative record.

DATA VALIDATION, REDUCTION AND QUALITY ASSURANCE STATEMENTS

Data validation was conducted under separate contract from Contract Compliance Screening. It is an independent data evaluation with the purpose of ensuring analytical

methods, blanks, calibration and laboratory standards, and interference check standards meet specific performance standards. Data validation investigates analytical requirements that should be fully under the laboratory's control. Data validation involves a technical (not contractual) review of the data packages including provisions for qualifying data values outside control windows.

Data validation and reduction also consisted of the development of Quality Assurance Statements for RAS and RAS+SAS data packages (RAS analyses with the addition of lower SAS detection limits). Accuracy, precision, representativeness, comparability, and completeness of laboratory data were qualified and presented in QA reports for each case or set of samples. The protocols for calculating these statements are described in the project quality assurance project plan (CH2M HILL, 1987e).

Accuracy

Accuracy is measured as the ability of the analytical procedure to determine the actual quantity of a particular analyte in a sample or as a measure of the absence of consistent error. In these studies, accuracy was evaluated by determining the average recovery of the analytes in two different types of QC samples: blind field standards (BFS) inserted into the sample train in the field, and laboratory natural matrix spikes performed in the laboratory.

Blind field standards manufactured by the EPA were used during groundwater sampling. Commercially produced soil standards were used during soils sampling episodes. The concentrations of elements in the blind field standards were closely matched to the assumed concentrations of the various environmental matrices within the study area. These samples were inserted at the prescribed frequency into the sample train in the field.

Completion of laboratory natural matrix spikes were also required within each sample designation group (SDG). The frequency at which these spikes were performed was consistent with that presented in the project quality assurance project plan (CH2M HILL, 1987e). Natural matrix spikes typically work well on homogeneous samples, such as water but poor recoveries are possible for soil samples because of the nonhomogeneous nature of the material.

Accuracy statements were prepared for each element in each sample matrix which used blind field standards using the statistical methodology described in the project quality assurance project plan (CH2M HILL, 1987e).

Precision

Precision is a measure of the mutual agreement characteristic of individual measurements of identical samples. In these studies, two different types of QC samples were used to evaluate precision. These included blind field replicates and laboratory duplicates. Blind field replicates were collected, designated, and inserted into the sample train in the field at a frequency stipulated in the project field operations plans (CH2M HILL, 1987c, 1987d).

Precision measurements based on these data reflect both field and laboratory variance. Laboratory duplicates were prepared in the laboratory and reflect only laboratory generated variance. Precision statements were calculated for each analyte of interest in each sample matrix using statistical procedures outlined in the project quality assurance project plan (CH2M HILL, 1987e).

Representativeness

Representativeness is a measure of how closely the samples collected represent the population from which they were obtained. Representativeness is accomplished by: (1) choosing the number of samples, sampling locations, and sampling procedures that depict, as accurately and precisely as possible, the matrix and conditions being measured; (2) developing protocols for storage, preservation, and transportation that preserve the representativeness of the collected samples; (3) analyzing samples within the prescribed holding time; and, (4) using methods to document that protocols have been followed and that samples are properly identified so their integrity is maintained.

Laboratory sample handling, storage, and, documentation procedures used during the Clark Fork River Screening Study followed the current (as of 1987) U.S. EPA Contract Laboratory Program (CLP) protocol. Representativeness was addressed during the planning stages of

the RI and is addressed in detail in the project site screening study plan (CH2M HILL, 1987a).

One part of representativeness is quantifiable. Potential contamination resulting from sampling is bias which impacts representativeness. If contamination is significant, then the field samples may not be representative of what is measured. Quality control samples used to assess bias from contamination were field blanks of several type inserted into the sampling train at the prescribed frequency (CH2M HILL, 1987c, 1987d)

Completeness

Completeness is the percentage of valid data compared to planned and collected data. Completeness was calculated following contract compliance and data validation and reduction. It was calculated as a percentage in two ways:

- Completeness = (# of valid samples/# of collected samples) x 100
- Completeness = (# of valid samples/# of planned samples) x 100

All sample data, except those flagged with an "R" in the project data bases, meet the criteria of being a valid sample data.

Comparability

Comparability of environmental data is achieved by adopting standard sampling and analysis procedures and through review of data from other sources. Comparability was assessed prior to any sample collection and was addressed in several planning documents. These included the project field operations plans (CH2M HILL, 1987c, 1987d), the project quality assurance project plan (CH2M HILL, 1987e) and the project laboratory analytical protocol plan (CH2M HILL, 1987f). Methods used for Clark Fork River Screening Study were consistent with the current standards of practice for the Superfund program, as of 1987.

SUMMARY TABLES FROM QUALITY ASSURANCE STATEMENTS

Summary quality assurance statements for groundwater samples collected from domestic and monitoring wells are presented in Tables K-1 through K-4. Table K-5 is a summary quality assurance statement for soils/tailings samples collected during the study. These summary tables present information included in individual QA statements prepared for each analyte of interest in each sample matrix.

Accuracy statements presented in the tables were developed using blind field standard and laboratory matrix spike data. Presented values indicate that the data validator is 90% confident that the (value) % of the data lie within (value) ± (value) % of the reported value. The term "% of data" indicates that percent of data which fall within a 90% confidence level. Some quality control data were not used to calculate the mean recovery and its associated confidence interval because the quality control sample was identified as a statistical outlier or no quality control data, relating to specific field samples, were available. These data are not part of the calculated confidence interval.

The precision statements are interpreted in the same manner and are presented as " using blind field replicate data, the data validator is 90% confident that (value) % of the data lie within ± (value) % of the reported value." "Laboratory duplicates" is substituted for the phrase " blind field replicates," and is reported for laboratory precision.

Representativeness tables contain a reference as to the significance or insignificance of laboratory and field contamination for each parameter. Contamination was labelled "significant" if field blanks for each data set contained concentrations above the method detection limit. Natural samples were flagged with an appropriate qualifier if the concentration of the natural sample was less than five times the highest blank value for a given data set containing blank samples above method detection limits for a given parameter.

All data have been independently verified using methods and procedures referenced in earlier sections. Due to the large volume of QC data necessary to validate chemical data,

only summary tables have been presented in this report. All QC and back-up data used in the validation process data are filed in the administrative record.

QUALITY CONTROL OF FIELD MEASUREMENTS

Details regarding field procedures and methods for observations and field measurements are described in the project field operations plans (CH2M HILL, 1987c, 1987d). Standard operating procedures for all field activities were appended to the field operations plans and contain all QC requirements for field measurements.

Field measurements obtained during collection of groundwater samples included water temperature, pH, specific conductance (SC), and static water levels. Assessment of the precision of these field measurements was based on the field replicate determinations. The accuracy of these field measurements was based on standard operating procedures, instrument calibration in the field, and the professional judgement of the field sampling teams.

Table K-1 Quality Assurance Statements for Metals and Arsenic in Samples Collected From Domestic Wells During the Clark Fork River Screening Study

			ACCURACY			PRECISION			REPRESENTATIVENESS		COMPLETENESS	
			% of	(90% C.L.)		% of	(90% C.L.)		(contamination)		Valid Samples as % of	
Analyte	Analysis Type	Instrumentation	Data	Value	Based On	Data	Value	Based on	Field	Lab	Collected	Planned
Arsenic	Total	ICP/FAA	91% 100%	96.0±5.0% 99.3±6.2%	BFS LSR	64% 57%	±0.0% ±1.4%	BFR LD	NS	NS	100%	81%
Cadmium	Total	ICP	90% 100%	98.6±3.8% 92.9±6.0%	BFS LSR	0% 0%	NC NC	BFR LD	NS	NS	98%	79%
Copper	Total	ICP	90% 100%	111.6±8.1% 110.1±9.8%	BFS LSR	18% 0%	±297% NC	BFR LD	S	NS	98%	79%
Iron	Total	ICP	100% 100%	99.6±8.8% 102.6±9.8%	BFS LSR	64% 100%	±62.7% ±7.2%	BFR LD	NS	NS	98%	79%
Lead	Total	FAA	100% 100%	102.6±4.2% 107.3±3.8%	BFS LSR	18% 83%	±464% ±4.8%	BFR LD	NS	NS	100%	81%
Manganese	Total	ICP	100% 100%	104.9±5.8% 100.7±4.5%	BFS LSR	27% 33%	±0.0% ±0.0%	BFR LD	NS	NS	98%	79%
Zinc	Total	ICP	91% 100%	105.0±3.4% 95.7±4.9%	BFS LSR	82% 100%	±17.6% ±22.0%	BFR LD	S	NS	100%	81%

Notes: ICP - Plasma Emission
FAA - Furnace AA

BFS - Blind Field Standard
LSR - Laboratory Spike Recovery
BFR - Blind Field Replicate
LD - Laboratory Duplicate

NC - Not calculable (value<IDL)
NS - Not significant
S - Significant

Table K-2 Quality Assurance Statements for Common Cations and Anions in Samples Collected From Domestic Wells During the Clark Fork River Screening Study

			ACCURACY			PRECISION			REPRESENTATIVENESS		COMPLETENESS	
			% of	(90% C.L.)		% of	(90% C.L.)		(contamination)		Valid Samples as % of	
Analyte	Analysis Type	Instrumentation	Data	Value	Based On	Data	Value	Based on	Field	Lab	Collected	Planned
Calcium	Total	ICP	100% 0%	100.1±2.1% NR	BFS LSR	100% 50%	±8.7% ±12.7%	BFR LD	NS	NS	100%	81%
Magnesium	Total	ICP	100% 0%	98.8±2.1% NR	BFS LSR	100% 50%	±5.2% ±8.2%	BFR LD	NS	NS	100%	81%
Sodium	Total	ICP	100% 0%	123.6±4.7% NR	BFS LSR	100% 50%	±10.5% ±4.7%	BFR LD	S	NS	100%	81%
Potassium	Total	ICP	100% 0%	132.7±5.2% NR	BFS LSR	100% 23%	±0.0% ±22.9%	BFR LD	NS	NS	100%	81%
Alkalinity	Total	Titration	83% 0%	120.4±4.6% NR	BFS LSR	100% 100%	±6.7% ±0.5%	BFR LD	S	NK	100%	81%
Chloride	Total	Titration	100% 100%	117.1±0.9% 94.5±5.0%	BFS LSR	100% 100%	±6.9% ±11.4%	BFR LD	NS	NK	100%	81%
Fluoride	Total	Electrode	100% 100%	162.0±3.3% 96.7±4.6%	BFS LSR	100% 100%	±3.6% ±8.4%	BFR LD	NS	NS	100%	81%
Nitrate	Total	Colorimetric	100% 86%	136.7±2.1% 100.5±2.1%	BFS LSR	100% 71%	±13.0% ±1.7%	BFR LD	NS	NS	100%	81%
Sulfate	Total	Gravimetric	82% 67%	122.7±2.2% 111.2±19.5%	BFS LSR	100% 67%	±18.3% ±10.6%	BFR LD	S	NS	100%	81%

Notes: ICP - Plasma Emission

BFS - Blind Field Standard
LSR - Laboratory Spike Recovery
BFR - Blind Field Replicate
LD - Laboratory Duplicate

NR - Not Required
NS - Not Significant
NK - Not Known
S - Significant

Table K-3 Quality Assurance Statements for Metals and Arsenic in Samples Collected From Monitoring Wells during the Clark Fork River Screening Study

			ACCURACY			PRECISION			REPRESENTATIVENESS		COMPLETENESS	
			% of	(90% C.L.)		% of	(90% C.L.)		(contamination)		Valid Samples as % of	
Analyte	Analysis Type	Instrumentation	Data	Value	Based On	Data	Value	Based on	Field	Lab	Collected	Planned
Arsenic	Dissolved	ICP/FAA	100% --	102.0±3.4% 115%*	BFS LSR	100% --	±29.5% 0.0%**	BFR LD	NS	NS	100%	91%
Cadmium	Dissolved	ICP	100% --	90.7±1.0% 90.0%*	BFS LSR	33% --	±0.0% NC	BFR LD	NS	NS	100%	91%
Copper	Dissolved	ICP	100% --	105.7±4.9% 96.0%*	BFS LSR	67% --	±6.6% NC	BFR LD	NS	NS	100%	91%
Iron	Dissolved	ICP	100% --	84.7±3.9% 94.0%*	BFS LSR	33% --	±8.0% NC	BFR LD	NS	NS	100%	91%
Lead	Dissolved	FAA	100% --	112.0±2.9% 115.0%*	BFS LSR	100% --	NC 4.4%**	BFR LD	NS	NS	100%	91%
Manganese	Dissolved	ICP	100% --	98.0±0.0% 95.0%*	BFS LSR	66% --	0±.0% NC	BFR LD	NS	NS	100%	91%
Zinc	Dissolved	ICP	100% --	99.3±1.0% 90.0%*	BFS LSR	100% --	±41.4% NC	BFR LD	S	NS	100%	91%

Notes: ICP - Plasma Emission
FAA - Furnace AA

BFS - Blind Field Standard
LSR - Laboratory Spike Recovery
BFR - Blind Field Replicate
LD - Laboratory Duplicate

NC - Not calculable (value<IDL)
NS - Not significant
S - Significant

* These are % recoveries where N=1.
** These are relative % differences where N=1 pair of laboratory duplicates

Table K-4 Quality Assurance Statements for Common Cations and Anions in Samples Collected From Monitoring Wells During the Clark Fork River Screening Study

			ACCURACY			PRECISION			REPRESENTATIVENESS		COMPLETENESS	
			% of	(90% C.L.)		% of	(90% C.L.)		(contamination)		Valid Samples as % of	
Analyte	Analysis Type	Instrumentation	Data	Value	Based On	Data	Value	Based on	Field	Lab	Collected	Planned
Calcium	Dissolved	ICP	100% 0%	117.7±1.9% NR	BFS LSR	100% --	±8.5% 10.0%**	BFR LD	NS	NS	95%	74%
Magnesium	Dissolved	ICP	-- 0%	NA NR	BFS LSR	100% --	±10.8% 2.2%**	BFR LD	NS	NS	95%	87%
Sodium	Dissolved	ICP	100% 0%	122.3±3.5% NR	BFS LSR	100% --	±3.4% 5.8%**	BFR LD	S	NS	95%	87%
Potassium	Dissolved	ICP	100% 0%	133.3±4.9% NR	BFS LSR	100% --	±2.9% 0.0%**	BFR LD	NS	NS	95%	87%
Alkalinity	Total	Titration	100% 0%	121.3±1.0% NR	BFS LSR	100% --	±9.8% NA	BFR LD	S	NK	100%	74%
Chloride	Total	Titration	100% --	116.3±2.0% 122%*	BFS LSR	100% --	±22.9% 18.0%**	BFR LD	S	NK	81%	74%
Fluoride	Total	Electrode	100% --	154.0±0.0% 110%*	BFS LSR	100% --	±42.4% 0.0%**	BFR LD	S	NK	100%	97%
Nitrate	Total	Colorimetric	100% --	137.0±1.7% 99%*	BFS LSR	67% --	±95.4% NC	BFR LD	NS	NS	100%	91%
Sulfate	Total	Gravimetric	100% --	126.1±5.1% 124%*	BFS LSR	100% --	±10.1% 1.2%	BFR LD	NS	NS	100%	91%

Notes: ICP - Plasma Emission
BFS - Blind Field Standard
LSR - Laboratory Spike Recovery
BFS - Blind Field Standard
LD - Laboratory Duplicate
S - Significant
NK - Not Known
NR - Not Required
NS - Not Significant
NA - Not Analyzed
NC - Not Calculable (values <IDL)

* These are % Recoveries where N=1.
** These are relative % differences where N=1 pair of lab duplicates.

Table K-5 Quality Assurance Statements for Metals in Samples of Soils/Tailings Collected During the Clark Fork River Screening Study

			ACCURACY			PRECISION			REPRESENTATIVENESS		COMPLETENESS	
			% of	(90% C.L.)		% of	(90% C.L.)		(contamination)		Valid Samples as % of	
Analyte	Analysis Type	Instrumentation	Data	Value	Based On	Data	Value	Based on	Field	Lab	Collected	Planned
Arsenic	Total	ICP/FAA	100% 0%	94.3±7.7% NA	BFS LSR	100% 64%	±3.7% ±3.5%	BFR LD	NS	NS	100%	95%
Cadmium	Total	ICP	100% 100%	79.4±3.2% 106.9±23.2%	BFS LSR	92% 71%	±4.0% ±3.7%	BFR LD	NS	NS	100%	95%
Copper	Total	ICP	100% 43%	90.5±2.5% 69.3±24.4%	BFS LSR	100% 93%	±4.0% ±3.1%	BFR LD	NS	NS	100%	95%
Iron	Total	AA	92% 0%	71.5±3.9% NA	BFS LSR	100% 100%	±1.8% ±1.3%	BFR LD	NS	NS	100%	95%
Lead	Total	AA	100% 71%	92.2±2.1% 93.8±1.1%	BFS LSR	100% 93%	±2.8% ±1.9%	BFR LD	NS	NS	100%	95%
Manganese	Total	ICP	100% 64%	81.8±2.3% 70.0±27.1%	BFS LSR	100% 100%	±3.2% ±1.8%	BFR LD	NS	NS	100%	95%
Mercury	Total	CVAA	100% 71%	88.0±5.4% 88.8.±10.5%	BFS LSR	92% 71%	±13.6% ±8.3%	BFR LD	NS	NS	100%	95%
Selenium	Total	HGAA	100% 93%	69.7±8.9% 85.6±8.1%	BFS LSR	17% 14%	±0.0% ±46.9%	BRF LD	NS	NS	100%	95%
Zinc	Total	ICP	100% 71%	93.8±4.5% 90.6±16.3%	BFS LSR	100% 93%	±3.3% ±1.5%	BFR LD	NS	NS	100%	95%

Notes:
ICP - Plasma Emission
FAA - Furnace AA
CVAA - Cold Vapor AA
HGAA - Hydride Generation AA

BFS - Blind Field Standard
LSR - Laboratory Spike Recovery
BFR - Blind Field Replicate
LD - Laboratory Duplicate

NA - Not Analyzed
NS - Not Significant
NK - Not Known
S - Significant